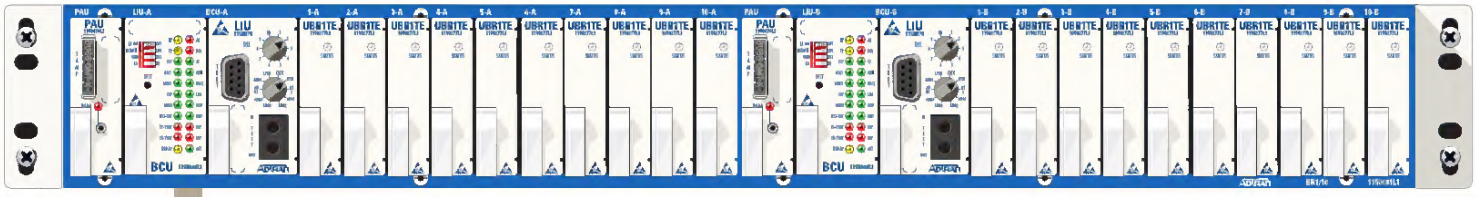
# BR1/10 2X MINI ISDN CHANNEL BANK

JOBAID
61150081L2-22A
0201



## BR1/10 2X

CLEI: D4MEXZB02_ _

### COMMONS /OPTIONS

BR1/10 Common Unit required for each side of the 2X chassis
H-LIU – Combination PAU/LIU P/N 115D179L1 CLEI: D4IMEG02AA
This unit replaces the individual PAU and LIU cards (shown).

PAU – Power/Alarm Unit P/N 115D078L2 CLEI: D4C1J8Y2AA
This common unit has no options switches to set, verify the 1 AMP fuse is properly seated..

LIU - Line Interface Unit P/N 115D079L2 CLEI: D4CIPT02AA
The LIU has no option switches to set. The DB9 connector and rotary switches are used for testing only.

BCU- Bank Controller Unit P/N 115D080L1 CLEI: D4CIS7Z2AA
The BCU is the only common unit with option settings on the printed circuit board.

**BCU Option Settings:**

S1-1 through S1-3 DSX-1 Line Build Out: 0-133ft/133-266/266-399/399-533/533-655
S2-1 Line Code Format: B8ZS/AMI
S2-2 Framing Format: ESF/SF
S2-3 Remote Loophack Selection: PAYLOAD/LINE
S2-4 and S2-5 Timing Mode:EXTERNAL/LOCAL/LOOP/CAU
S2-6 Bank Mode: 8DSL/10DSL
S2-7 through S2-9 Terminal Mode: D4/ D1D/SLC Mode 1D1D/SLC Mode 3 D4/ D1D

**Mini U-BR1TE Switch Options**

| | ON | OFF |
|---|---|---|
| SW1 | B1 SER. ON | B1 SER. OFF |
| SW2 | B2 SER. ON | B2 SER. OFF |
| SW3 | D SER. ON | D SER. OFF |
| SW4 | SC ON | S.C. OFF |
| SW5 | LULT | LUNT |
| SW6 | LULT | LUNT |
| SW7 | ZBS ON | ZBS OFF |

*Faceplate LED on mini U-BR1TE*
*Red- Indicates no sync to ISDN Switch/NT1*
*Green- Indicates sync to ISDN Switch/NT1*

**Mini U-BR1TE Compatible Access Cards**

| | |
|---|---|
| Mini BR1/10 ISDN U-BR1TE CLEI: D4C1A2T2AA (Shown) | 1150077LX |
| Mini BR1/10 TR ISDN UBR1TE CLEI: D4CIA9T2AA | 1152182LX |
| Mini BR1/10 TR DDS DP CLEI: D4D3M14DAA | 1151061LX |
| Mini BR1/10 DSD DP CLEI: D4D3D3HDAA | 1150103L1 |

### BCU MANUAL TESTING OIP SWITCHES

| | |
|---|---|
| LB ON/OFF | Enables and disables DS1 loopbacks for REMOTE/LOC direction depending on switch setting below |
| REMOTE/LOC | REMOTE in ESF will initiate a loopback to the far-end BR1/10 side when LB is switched to ON<br>REMOTE in SF will initiate a loopback at the local BR1/10 side when LB is switched to ON<br>LOC provides internal loopback at the T1 data stream at the local BR1/10 side when LB is switched to ON |
| DS0/DS1 | When set towards DS1 controls the REMOTE/LOC loopback directions and initiates loopback with LB ON/OFF switch<br>When set towards DS0 controls the B1/B2 channel selection.<br>The TEST recessed button initiates test selected on LIU rotary switches. This option is normally in the DS0 position once the BR1/10 side is in service |
| B1/B2 | When the switch above is in the DS0 position, B1 and B2 selects the appropriate B-Channel to be tested |

**BR1/10 Slot to Channel Bank Slot Cross-Reference Compatibility**

| BR1/10 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
|---|---|---|---|---|---|---|---|---|---|---|
| D4/DID, SLC Mode 3 | 1 | 4 | 7 | 10 | 13 | 16 | 18 | 22 | N/A | N/A |
| SLC Mode 1 (Physical Slots) | 1 | 2 | 4 | 5 | 7 | 8 | 10 | 11 | N/A | N/A |
| Digroup-A | 1/2 | 3/4 | 7/8 | 9/10 | 13/14 | 15/16 | 19/20 | 21/22 | N/A | N/A |
| Digroup-B | 25/26 | 27/28 | 31/32 | 33/34 | 37/38 | 39/40 | 43/44 | 45/46 | N/A | N/A |
| Digroup-C | 49/50 | 51/52 | 55/56 | 57/58 | 61/62 | 63/64 | 67/68 | 69/70 | N/A | N/A |
| Digroup-D | 73/74 | 75/76 | 79/80 | 81/82 | 85/86 | 87/88 | 91/92 | 93/94 | N/A | N/A |
| SLC Mode 3 (Physical Slots) | 1 | 4 | 7 | 10 | 13 | 16 | 19 | 22 | N/A | N/A |
| Digroup A/B | 25/26 | 31/32 | 37/38 | 43/44 | 1/2 | 7/8 | 13/14 | 19/20 | N/A | N/A |
| Digroup C/D | 73/74 | 79/80 | 85/86 | 91/92 | 49/50 | 55/56 | 61/62 | 67/68 | N/A | N/A |

CAUTION!
SUBJECT TO ELECTROSTATIC DAMAGE OR DECREASE IN RELIABILITY.
HANDLING PRECAUTIONS REQUIRED.

■ For a complete Installation and Maintenance Practice faxback: (877) 457-5007, Document # 662. Please have your fax number available. ■

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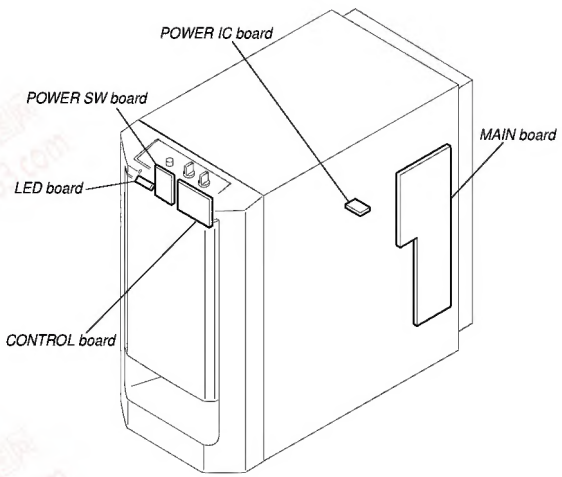
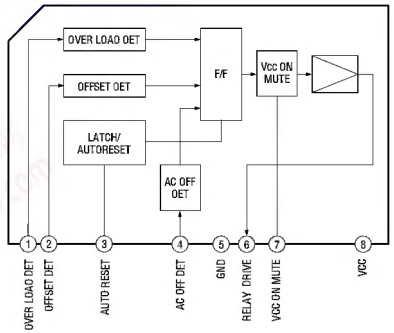
• **Circuit Boards Location**
**SA-WMS225**

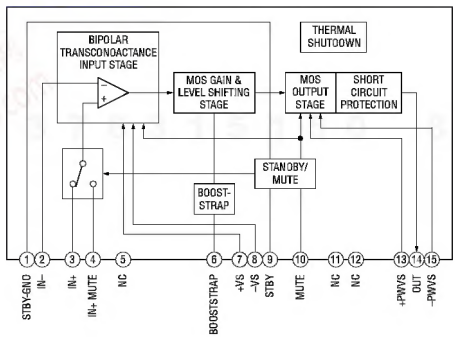



• **IC Block Diagrams**

**– MAIN Board –**
**IC302 µPC1237HA**




**– POWER IC Board –**
**IC401 TDA7294**



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### *BLOCK1*

| CHANNEL | VALUE | FUNCTION |
|---|---|---|
| 1 | 0⇔255 | BLOCK1 RED |
| 2 | 0⇔255 | BLOCK1 GREEN |
| 3 | 0⇔255 | BLOCK1 BLUE |
| 4 | 0⇔255 | BLOCK2 RED |
| 5 | 0⇔255 | BLOCK2 GREEN |
| 6 | 0⇔255 | BLOCK2 BLUE |
| 7 | 0⇔255 | BLOCK3 RED |
| 8 | 0⇔255 | BLOCK3 GREEN |
| 9 | 0⇔255 | BLOCK3 BLUE |

### *BLOCK2*

| CHANNEL | VALUE | FUNCTION |
|---|---|---|
| 1 | 0⇔255 | BLOCK1 RED |
| 2 | 0⇔255 | BLOCK1 GREEN |
| 3 | 0⇔255 | BLOCK1 BLUE |
| 4 | 0⇔255 | BLOCK1 WHITE |
| 5 | 0⇔255 | BLOCK1 AMBER |
| 6 | 0⇔255 | BLOCK2 RED |
| 7 | 0⇔255 | BLOCK2 GREEN |
| 8 | 0⇔255 | BLOCK2 BLUE |
| 9 | 0⇔255 | BLOCK2 WHITE |
| 10 | 0⇔255 | BLOCK2 AMBER |
| 11 | 0⇔255 | BLOCK3 RED |
| 12 | 0⇔255 | BLOCK3 GREEN |
| 13 | 0⇔255 | BLOCK3 BLUE |
| 14 | 0⇔255 | BLOCK3 WHITE |
| 15 | 0⇔255 | BLOCK3 AMBER |

### *ARC 1*

| CHANNEL | VALUE | FUNCTION |
|---|---|---|
| 1 | 0⇔255 | RED |
| 3 | 0⇔255 | GREEN |
| 4 | 0⇔255 | BLUE |



# 2 INSTALLATION

## 2.1 MOUNTING

### *UPRIGHT*

The LED MODULE can be mounted in an upright or sitting position using the supporting brackets.

### *HANGING*

The LED MODULE can be mounted in a hanging position using the support frame. It is possible to use any bolt of the correct size and strength to mount the fixture. It is recommended to use at least 2 mounting points per fixture. Mounting with a clamp or other mounting bracket is recommended depending on the requirements of your application.
For overhead use, always install two secure-chains that can hold at least 10 times the weight of the fixture.

**NOTE** The LED MODULE can be mounted at any angle . It is possible to further adjust the angle of the LED MODULE using the adjustment knobs located on the side of the fixture.

## 2.2 POWER CONNECTIONS

@ 220V: 12 units may be connected in series

@120V: 6 units may be connected in series

***Note:*** If over 30 units to be connected, then a DMX signal amplifier is needed.



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## CABLE CONNECTIONS

Turn off your computer before performing the procedure below.

1. Connect the power adapter dc cable to the DC-In port on the back of the monitor.
2. Connect one end of the 15-pin D-Sub cable to the back of the monitor and connect the other end to the computer's D-Sub port.
3. (only Dual-Input Model)Connect one end of the 24-pin DVI cable to the back of the monitor and connect the other end to the computer's DVI port.
4. Connect the audio cable between the monitor's audio input and the PC's audio output (green port).
5. Plug the power cable of your monitor into a nearby outlet. Plug the other end of the power cord into the power adapter.
6. Turn on your monitor and computer.

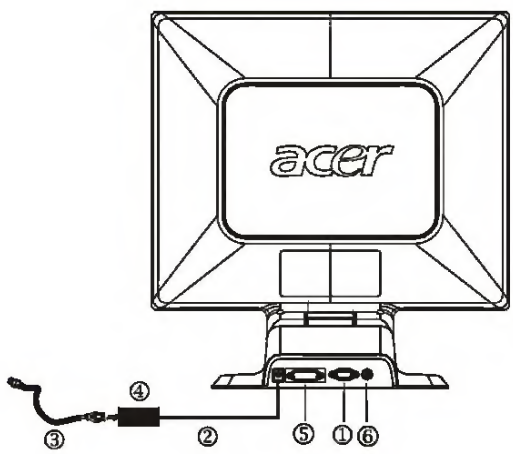


Figure 1 Connecting Cables

| | | | |
|---|---|---|---|
| 1. | D-SUB Cable | 4. | External Adapter |
| 2. | DC-Jack Power Cable | 5. | DVI Cable |
| 3. | AC Power Cord | 6. | Audio cable |



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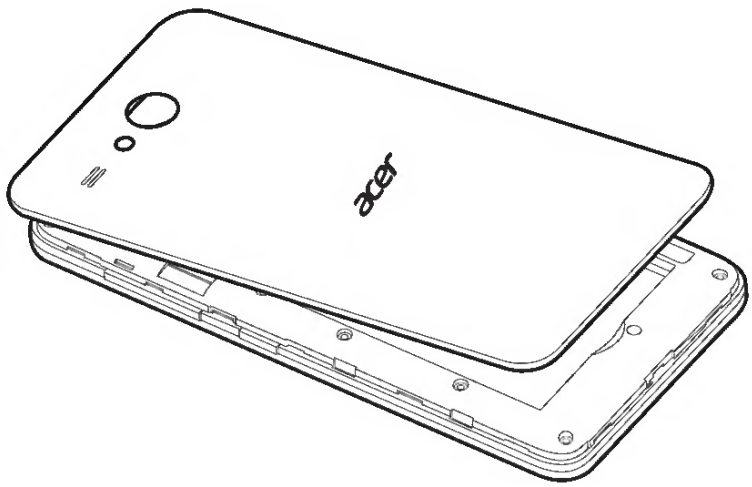
# Installing a SIM or microSD card

To take full advantage of your smartphone's telephony capabilities, you must install a SIM card.

Your new smartphone has multiple SIM card holders; install any combination of SIM cards.

Additionally, you may wish to increase your smartphone's storage by inserting a microSD card into the labeled slot.

1. Turn off the smartphone by pressing and holding the power button.
2. Insert your fingernail into the notch located at the bottom of the phone and remove the cover as illustrated.

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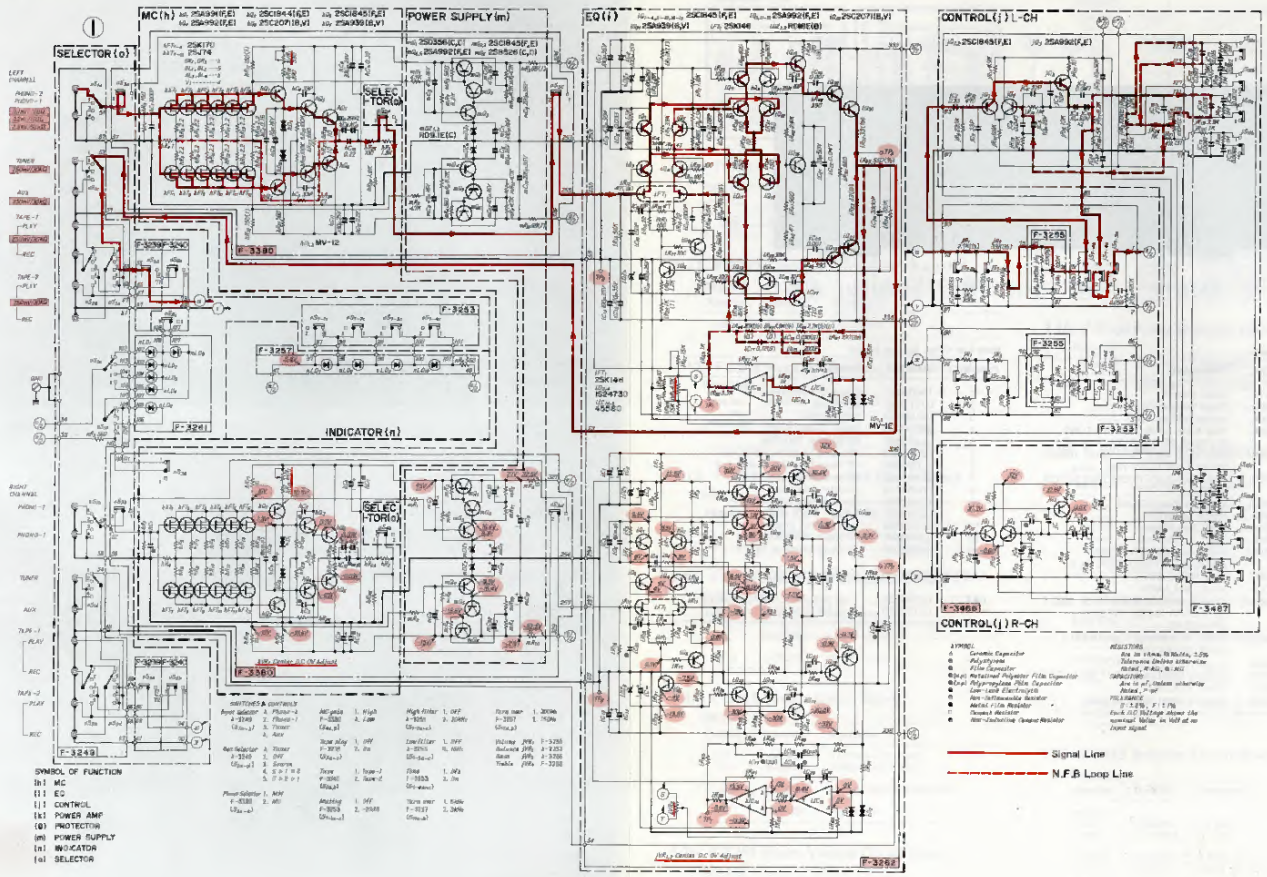
# 5. SCHEMATIC DIAGRAM 5-1. Pre Amp. Section



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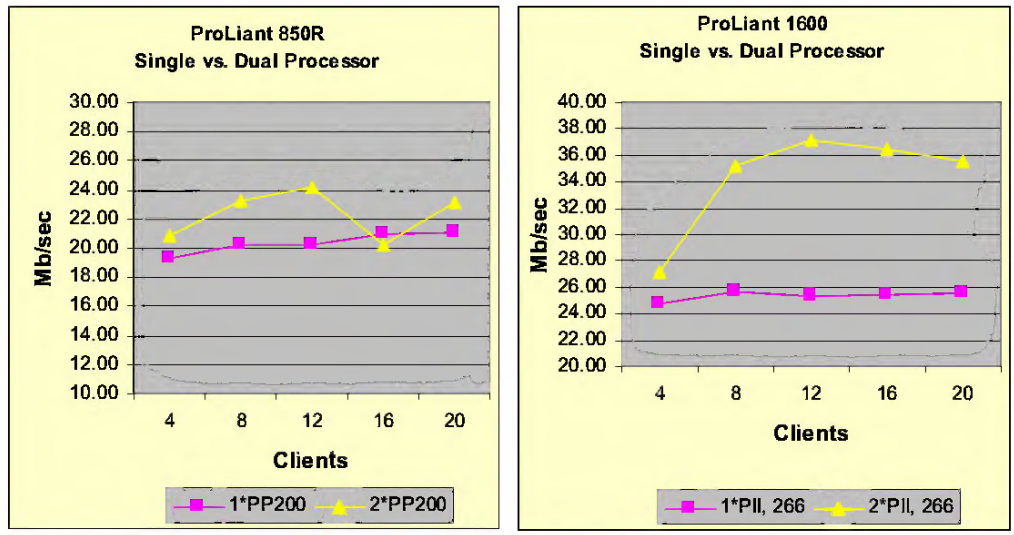


*Figure 3. ProLiant 850R and 1600, single versus dual processor*

### Enabling the Fastpath Option

Fastpath is a new feature of AXENT Raptor Firewall that allows it to act on packets at the network level (like a packet filter) rather than at the application level. This option can he applied on a per-rule hasis and dramatically improves data throughput.

When Fastpath was applied for packets travelling from the inside network to the outside network (laheled "One way" in Figure 4), throughput increased eleven percent. When Fastpath was applied for all traffic, throughput increased hy 26.8 percent. In fact, data throughput of fifty mbps was achieved when hi-directional Fastpath was applied to the ProLiant 1600 with a single 400-MHz processor ("hi-directional" means data travelling into and out of the protected network).

The increased throughput mentioned ahove comes at the cost of decreased security. A warning is displayed when the Fastpath option is selected, and the option should he used only after careful consideration of the risks. It is recommended that the Fastpath option not he used for incoming traffic from the Internet.



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et presser la bride en place de sorte qu'elle soit bien serrée contre le plafond. Serrer les deux vis à l'intérieur du châssis. Installer des vis pour cloison sèche (non-comprises) au travers des trous dans la bride et dans le plafond. Installer autant de vis pour cloison sèche que requis pour assurer que la bride s'ajuste solidement contre le plafond. **(Figure 12)**.

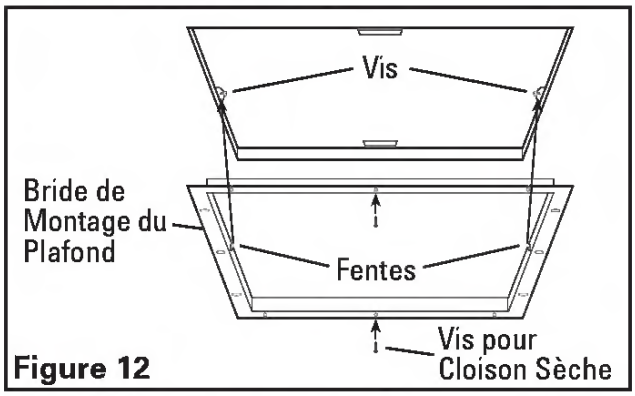

**Figure 12**

4. Installer la grille en pressant ensemble les deux extrémités des ressorts et en les installant dans les fentes du châssis du ventilateur. Pousser la grille en position **(Figure 13)**.

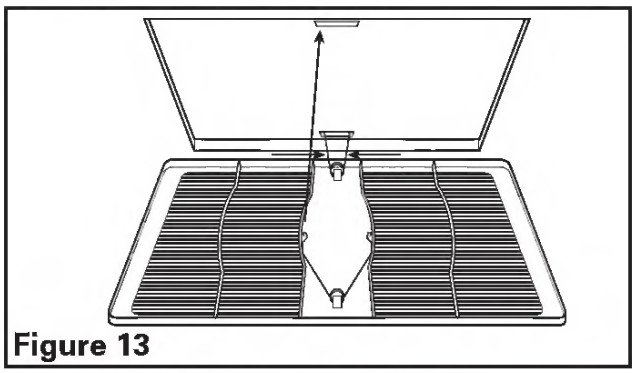
**Figure 13**

5. Restaurer l'alimentation et tester votre installation.

# SECTION 6
## Utilisation et entretien

**AVERTISSEMENT: VOUS ASSURER QUE L'ALIMENTATION EST COUPÉE AU PANNEAU OE SERVICE AVANT OE COMMENCER L'INSTALLATION.**

1. **Nettoyage de la grille:** Retirer la grille et utiliser un détergent doux, tel que du liquide pour la vaisselle, puis sécher à l'aide d'un chiffon doux. NE JAMAIS UTILISER D'ABRASIF OU DE POUDRE À RÉCURER. Sécher complètement la grille avant de la réinstaller. Pour réinstaller la grille, vous référer à la **Section 6** - Complétion de l'installation.
2. **Nettoyage de l'assemblage du ventilateur:** Nettoyer toutes les parties à l'aide d'un chiffon sec ou passer délicatement l'aspirateur sur le ventilateur. NE JAMAIS IMMERGER LES PARTIES ÉLECTRIQUES DANS L'EAU.

## Guide de dépannage

| Trouble | Cause Possible | Solution Suggérée |
|---|---|---|
| 1. Le ventilateur ne fonctionne pas lorsque l'interrupteur est à la position en marche. | 1a. Un fusible peut être grillé ou un disjoncteur peut être décle.nché.<br>1b. La fiche de raccord du moteur n'est pas connectée.<br>1c. Le câblage n'est pas raccordé correctement.<br>1d. La moteur est terminee | 1a. Remplacer le fusible ou réinitialiser le disjoncteur.<br>1b. Couper l'alimentation à l'unité. Retirer la grille et brancher le moteur dans le réceptacle dans le cabinet. Remettre l'alimentation sur l'unité.<br>1c. Couper l'alimentation de l'unité. Vérifier que tous les fils sont raccordés.<br>1d. Remplacez la moteur |
| 2. Le ventilateur fonctionne, mais l'air circule plus lentement que la normale. | 2. Obstruction dans les conduits d'évacuation. | 2. Vérifier pour toute obstruction dans les conduits. Les plus courantes sont des nids d'oiseau dans le chapeau de toit ou mural là où le ventilateur s'évacue vers l'extérieur. |
| 3. Le ventilateur fonctionne de manière plus bruyante que la normale. | 3a. Le moteur est lâche.<br>3b. L'hélice du ventilateur frotte contre le cabinet de l'unité. | 3a. Couper l'alimentation à l'unité. Retirer la grille et vérifier que toutes les vis sont complètement serrées. Remettre l'alimentation sur l'unité.<br>3b. Appeler votre marchand pour un service. |



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## *Workplaces and noise level*

The construction and appearance of the machine are illustrated on the layout below

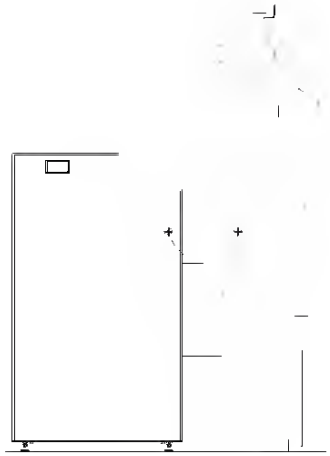
On the layout, the operators' workplaces during normal operation are indicated by the human figures, which are sketched in.

| | WARNING |
|---|---|
| | **It may involve risk to the operator to work on or under the machine. Work Stay in these areas is only allowed for authorized personnel, and only when the machine has been stopped, cooled down and the main switch has been locked in position "0".** |

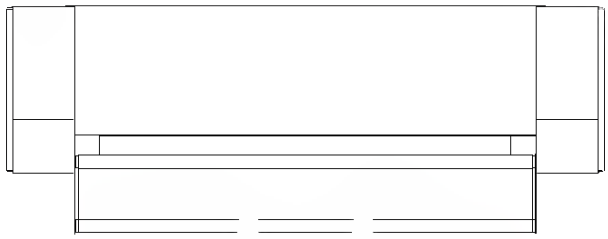
Normally the ironed pieces are coming into the outlet tray after ironing, where the operator can take them without any danger

| | WARNING |
|---|---|
| | **It may involve risk of burning to the operator when taking the sheets directly from the roll, deeper into the machine at the outlet tray. Jams should always be taken away by authorized personnel.** |

The sound pressure levels of the machine have been measured at a height of 1.6 m at the indicated workplaces of the operator. The value for the workplace is 60dB.



side view



top view



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# Instructions for the Installer

## Engineers technical data

| | | |
|---|---|---|
| **OVERALL DIMENSIONS** | Width: | 860 mm. |
| | Depth: | 500 mm. |
| | Height: | 88 mm. |
| | Weight: | 8 Kg. |
| **CUT OUT DIMENSIONS** | Width: | 830 mm. |
| | Depth: | 470 mm. |
| | Thickness: | 30 mm. |

**SUPPLY CONNECTIONS**

**Gas:**
RC 1/2 inch (1/2 inch male) Rear right hand corner
**Electric:**
230-240V 50Hz supply, 3 core flexible cable with non rewireable plug fitted with a 3 amp cartridge fuse.

**IGNITION HT SPARK**

**Spark Generator**
Ispra Control's BF 50066 - 230-240V 0.6 YA T120
**Spark Gap** : Fixed

**HEAT INPUT**

| | |
|---|---|
| **Rear Left Burner (semi rapid)** | 2.0 kW (6824 BTU/HR) |
| **Front Left Burner (rapid)** | 3.0 kW Natural Gas (10236 BTU/HR)<br>2.8 kW L.P.G. (9554 BTU/HR) |
| **Central Burner (double-crown)** | 3,5 kW (11942 BTU/HR) |
| **Rear Right Burner (semi rapid)** | 2.0 kW (6824 BTU/HR) |
| **Front Right Burner (auxiliary)** | 1.0 kW (3412 BTU/HR) |

| | |
|---|---|
| **APPLIANCE CLASS** | 3 |
| **APPLIANCE CATEGORY** | II2H3+ |
| **GAS SUPPLY** | Natural gas G20 / 20mbar |



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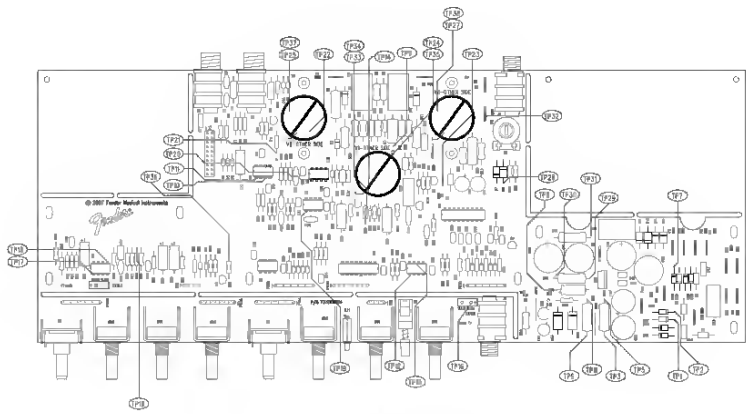
| REVISIONS | | | |
|---|---|---|---|
| REV | DESCRIPTION | DATE | APPROVED |
| A | PR737 | 14-JAN-07 | L.E.L. |



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MUSICAL INSTRUMENTS
Corona, CA U.S.A

TITLE: SERVICE DIAGRAM, COMPONENT (PCB only)
SUPER CHAMP XD
(assembly notes)

| SIZE | DRAWING NUMBER | REV |
|---|---|---|
| D | 737CKW003 | A |

RELEASE DATE: 14-JAN-07 SHEET 2 OF 2

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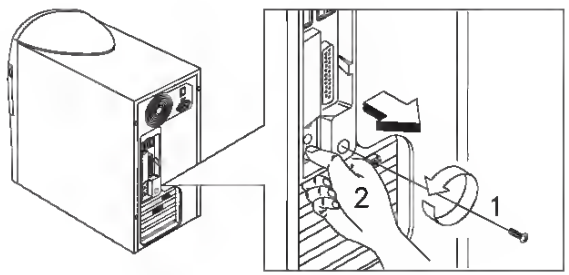
## Connecting an Optional Serial Device

**1** • Before you proceed, make sure your computer is completely turned off (see p. 6)

**2** • On the back of your computer, remove the screw that holds the rear panel cover

**3** • Lift the rear panel cover to detach it from your computer




**4** • Locate the two serial ports on the back of your computer

**5** • Plug your serial device cable into either of these two ports

## Connecting an Optional Joystick or MIDI Device

**1** • Before you proceed, make sure your computer is completely turned off (see p. 6)

**2** • Remove the rear panel cover (see steps 2 and 3 of the previous section)

**3** • Locate the Game/MIDI port on the back of your computer

**4** • Plug your joystick or MIDI device cable into this port







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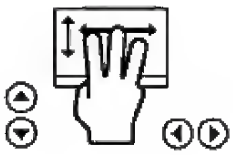
## Gestures

- Mouse

- Zoom in/out ; Rotate

- Flip



## Hotkeys

The computer employs hotkeys or key combinations to access most of the computer's controls. To activate hotkeys, tap and hold the <Fn> key before tapping the other key in the hotkey combination.

## Caps lock key

The keyboard has a Caps lock key which you can toggle on and off. When Caps Lock is on, all alphabetic characters typed are in uppercase.

## Energy Saving

1 Mouse mode: Automatic turn off after 5 minutes of being idle.

2 Keyboard mode: Backlight LED will turn off after a minute of being idle, and the touchpad will automatically turn off after 4 minutes.

**Note:** The specifications listed above are for reference only. The exact configuration of your PC depends on the model purchased.

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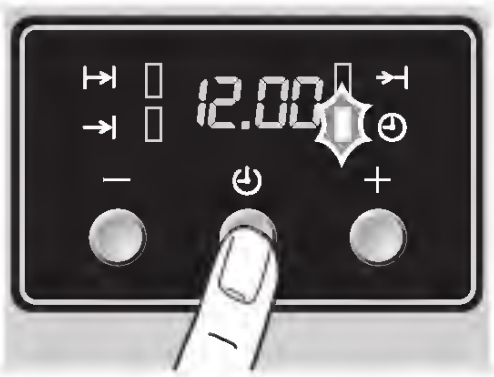
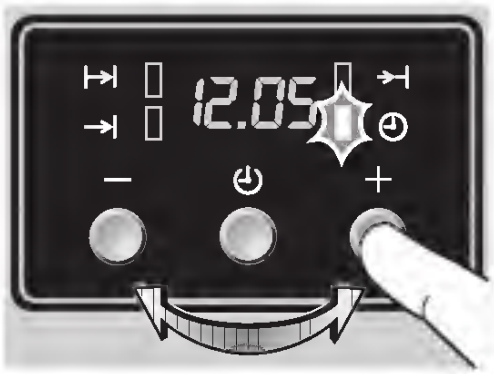
## Resetting the Time

☞ Press button ⏻ until the function indicator flashes on the clock display 🕘 .




**3.** Using buttons ⊞ or ⊟ set the current time.




**4.** Wait for 5 seconds.

The flashing will stop and the set time will be displayed in the display window.
The appliance is ready for use.

ⓘ The time may only be reset when no automatic function (cook time ⊢⇥ or end time ⇥⊣) has been set.



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# Brief summary of fabric information

## Care symbols

Check whether fabrics are suitable for tumble drying. One of the following symbols should appear on the care label:

Basically, this fabric can be tumble dried; however the manufacturer does not specify whether it can be dried with normal or low temperature.

Normal drying (normal temperature)

Gentle drying (low temperature)

Do not tumble dry

**If none of these symbols is found:**

Dry cottons, as well as mixed fabrics, at normal temperature. Press the HALF HEAT button when delicate cottons have to be dried.
It is advisable to take into consideration the care symbols on garment labels when buying them.

- Wool, elderdowns
  Do not dry any woollen items in the tumble dryer! They can felt!
  Elderdowns can be tumble dried only if the corresponding care symbol is present.
- Fabrics sensitive to high temperatures
  Dry fabrics sensitive to high temperatures (such as acrylic or viscose) and items bearing the care symbol using a drying time setting between 20 and 80 MIN or pressing the FRESH & COOL button.
- Tricot garments, knitwear
- Tricot garments and knitwear tend to shrink.
  Do not overdry these items. High quality products are less likely to shrink.
- New coloured fabrics
  Do not dry new coloured fabrics with light-coloured laundry. This could lead to discoloration!



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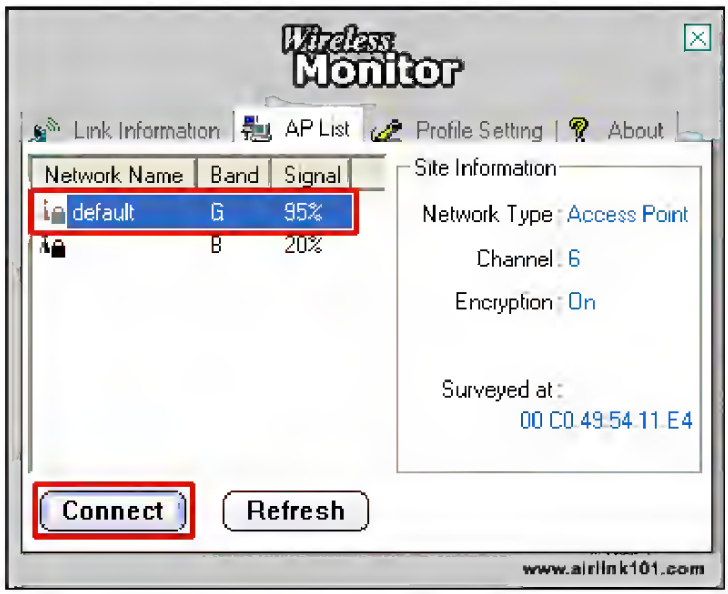
## *4.3 Configure Encryption Settings*

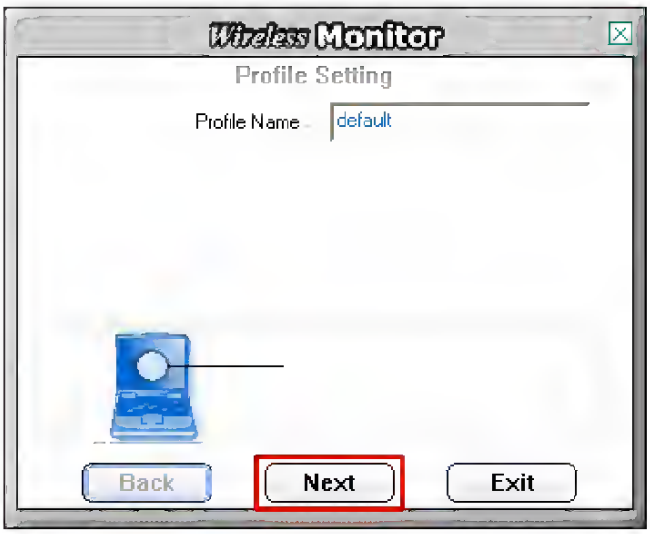
This section describes how to configure encryption settings for the **Wireless PCI Adapter**.

**Note:** The encryption settings you set for the Adapter must match the same settings of the Access Point/Wireless Router; otherwise, the encryption will not work properly.

**Step 1** From the **AP List** tab, select the Access Point/Wireless Router you want to connect to and click **Connect**.




**Step 2** Verify the **Profile Name** is correct and click **Next**.



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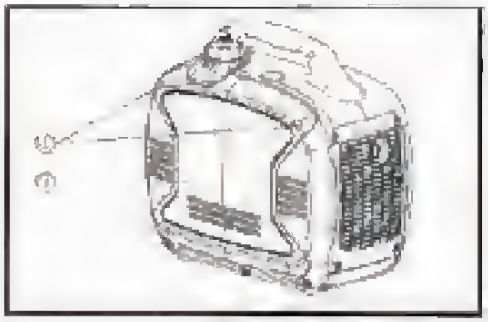

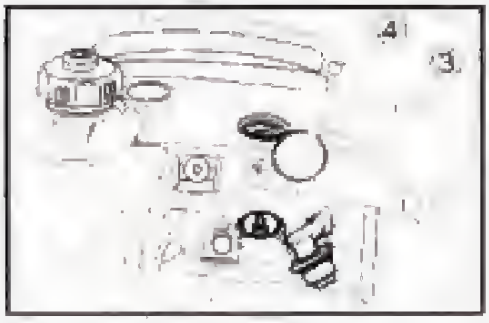

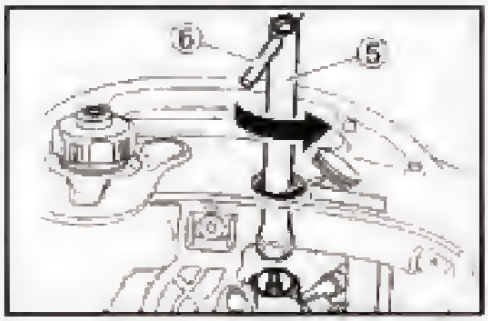

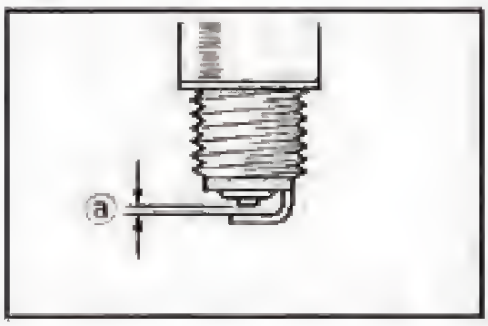

# MAINTENANCE

## 5.2 Spark Plug Maintenance

**Spark plug inspection**

The spark plug is an important engine component and should be checked periodically.

1. Remove the screws ① and then remove the cover ②.
2. Remove the spark plug cap ③ and access cap ④
3. Insert the tool ⑤ through the hole in the outside of the cover.
4. Insert the handlebar ⑥ into the tool ⑤ and turn it counterclockwise to remove the spark plug.
5. Check for discoloration. The carbon porcelain insulator around the center electrode of spark plug should be a Medium-to-light tan color.
6. Check the spark plug type and gap. The spark plug gap should be measured with a wire thickness gauge and, if necessary, adjusted to specification.

**Spark Plug Type:**
TORCH E5T(E5RTC)

**Spark Plug Gap:**
0.6-0.7 mm (0.024-0.028 in)

**Spark Plug Torque:**
20.0 N·m (2.0kgf·m,14.8 lbf·ft)

7. Install spark plug, spark plug cap, cover and screws.



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# Product specifications

| Model | AT42S0B-ATV |
|---|---|
| **Panel spec** | |
| Resolution (pixels) | 1920 x 1080 |
| **Power supply** | |
| Input | 100 to 240 V AC |
| Max. power consumption | 291 W |
| Power saving | <S W |
| **Mechanical** | |
| Dimensions (W x H x D mm) | 1071 x 794 x 311 |
| Weight (kg) | 32.3 |
| Weight (lbs.) | 71.1S |
| Wall-mounting holes | 400 mm x 200 mm |
| **Analog TV system** | |
| Colour system | PAL, SECAM |
| Sound system | B/G/D/K/I/L (multi-European) |
| Stereo system | NICAM/A2 |
| Subtitle | Teletext 1.S |
| TV-tuner quantity | 1 |
| **Terminal** | |
| Analog Tuner In | Yes |
| AV1-SCART | S-Video and FB |
| AV2-SCART | S-Video and FB |
| AV3-COMPONENT | YPbPr, YCbCr, Audio R/L |
| AV3-CVBS | CVBS, Audio R/L share with AV3-COMPONENT |
| AV4 | CVBS, Audio R/L |
| HDMI 1 | Yes |
| HDMI 2 | Yes |
| PC D-sub in | Yes |
| PC audio-in | Yes |
| **Audio system** | |
| Speakers | 10 W + 10 W |
| Sound effects | SRS WOW |



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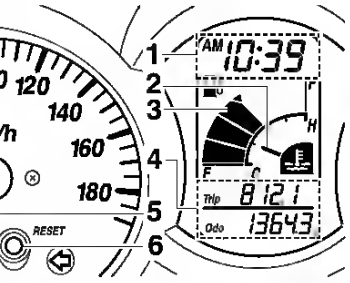
EAU34135

## function display

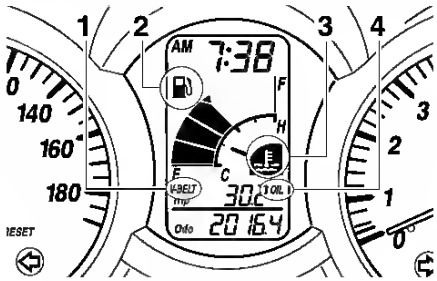
EWA12311

**ARNING**

**e to stop the vehicle before any setting changes to the unction display.**




/ambient temperature display
nt temperature meter
meter
eter/tripmeters
ECT" button
ET" button




1. V-belt replacement indicator "V-BELT"
2. Fuel level warning indicator "⛽"
3. Coolant temperature warning indicator "🌡"
4. Oil change indicator "OIL"

The multi-function display is equipped with the following:

- a fuel meter
- a coolant temperature meter
- an odometer (which shows the total distance traveled)
- two tripmeters (which show the distance traveled since they were last set to zero)
- a fuel reserve tripmeter (which shows the distance traveled since the bottom segment of the fuel

3



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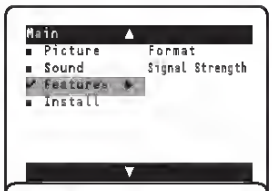
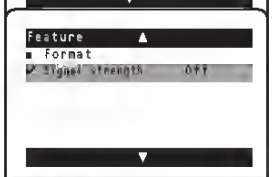
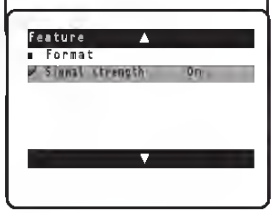
## ACTIVATING THE SIGNAL STRENGTH

The Signal Strength feature displays the signal strength level when the **On** option is selected. The signal strength level will be indicated at the bottom of the screen whenever you switch channel.

| Step | Press button | | Result on screen |
|---|---|---|---|
| 1 | MENU | Display the main menu on screen |  |
| 2 | ∨ | Press button repeatedly until **Signal Strength** is selected. |  |
| 3 | > | Press the button to select **On** option to activate the Signal Strength mode |  |





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# Chapter 5

## FRU (Field Replaceable Unit) List

This chapter gives you FRU (Field Replaceable Unit) listing in global configuration of CE-6430. Refer to this chapter whenever ordering for parts to repair or for RMA (Return Merchandise Authorization). Please note that WHEN ORDERING FRU PARTS, you should check the most up-to-date information available on your regional web or channel. For whatever reasons a part number change is made, it will not be noted on the printed Service Guide. For Acer AUTHORIZED SERVICE PROVIDERS, Acer office may have a DIFFERENT part number code from those given in the FRU list of this printed Service Guide. You MUST use the local FRU list provided by your regional Acer office to order FRU parts for repair and service of customer machines.

NOTE: To scrap or to return the defective parts, you should follow the local government ordinance or regulations on how to dispose it properly, or follow the rules set by your regional Acer office on how to return it.



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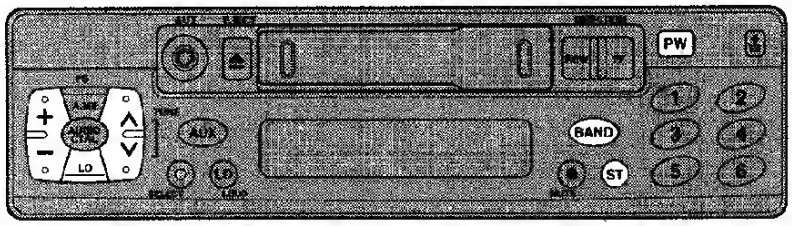
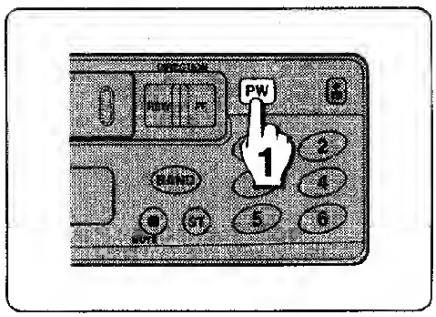
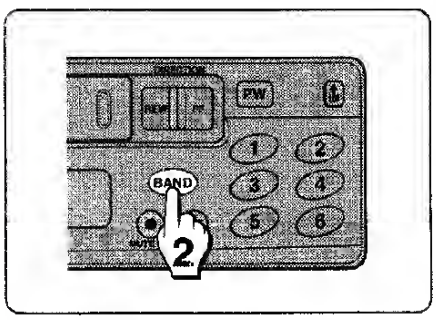
# FUNCIONAMIENTO DE LA RADIO

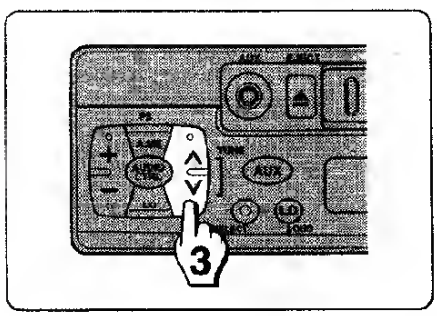


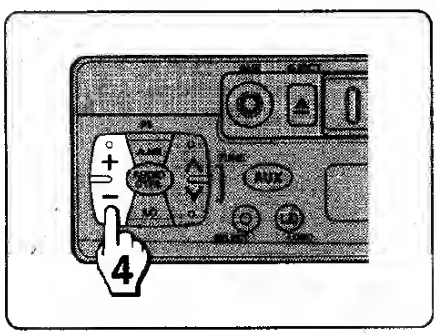

**1 Presione PW para conectar la radio.**
Aparece la frecuencia de sintonización de la radio.




**2 Presione BAND para seleccionar de las bandas FM1, FM2, FM3 y AM.**
Se irán encendiendo los indicadores de banda en orden. (FM1, FM2 y FM3 comparten la misma gama de frecuencias.)




**3 Presione (durante menos de 0,5 de segundo) TUNE ∧ o TUNE ∨ varias veces hasta sintonizar la estación deseada.**
Presione ∧ para subir y ∨ para bajar la frecuencia.




**4 Auste el volumen con +/−.**



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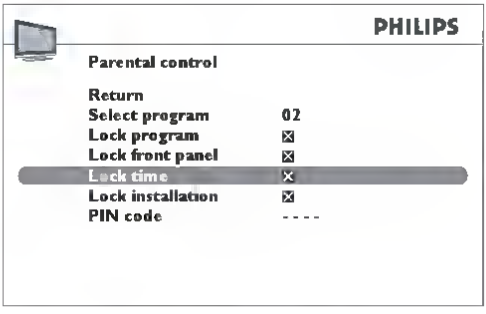



To unlock the **Time** menu:

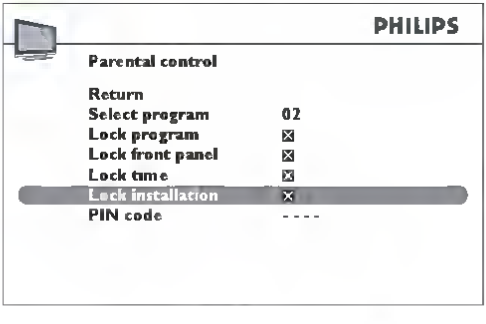
- Go to the **Parental control** menu by entering your PIN code.
- Select the **Lock time** option.
- Press ◄ or ► to uncheck the box.
- Press **EXIT** to close the menu.

### Lock the Installation menu

**Notes**

This function is only available if a code has been defined. When this function is active you need to enter your PIN code to be able to access the **Installation** menu.

1. Press **MENU** on the remote control and select **Features** > **Parental control** > **Lock installation**.
2. Press ◄ or ► to check the box.

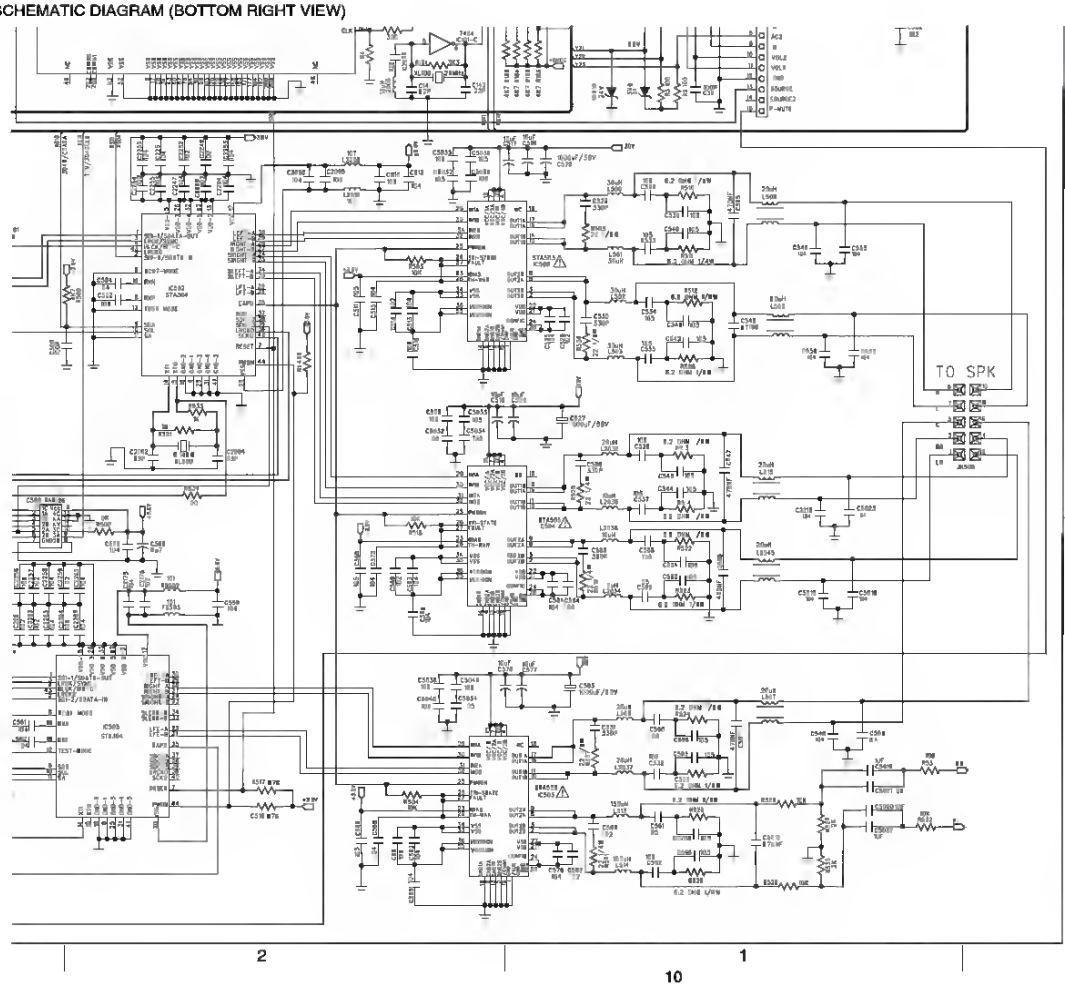



To unlock the **Installation** menu:

- Go to the **Parental control** menu by entering your code.
- Select the **Lock installation** option.
- Press ◄ or ► to uncheck the box.
- Press **EXIT** to close the menu.

EN

MAIN SCHEMATIC DIAGRAM (BOTTOM RIGHT VIEW)

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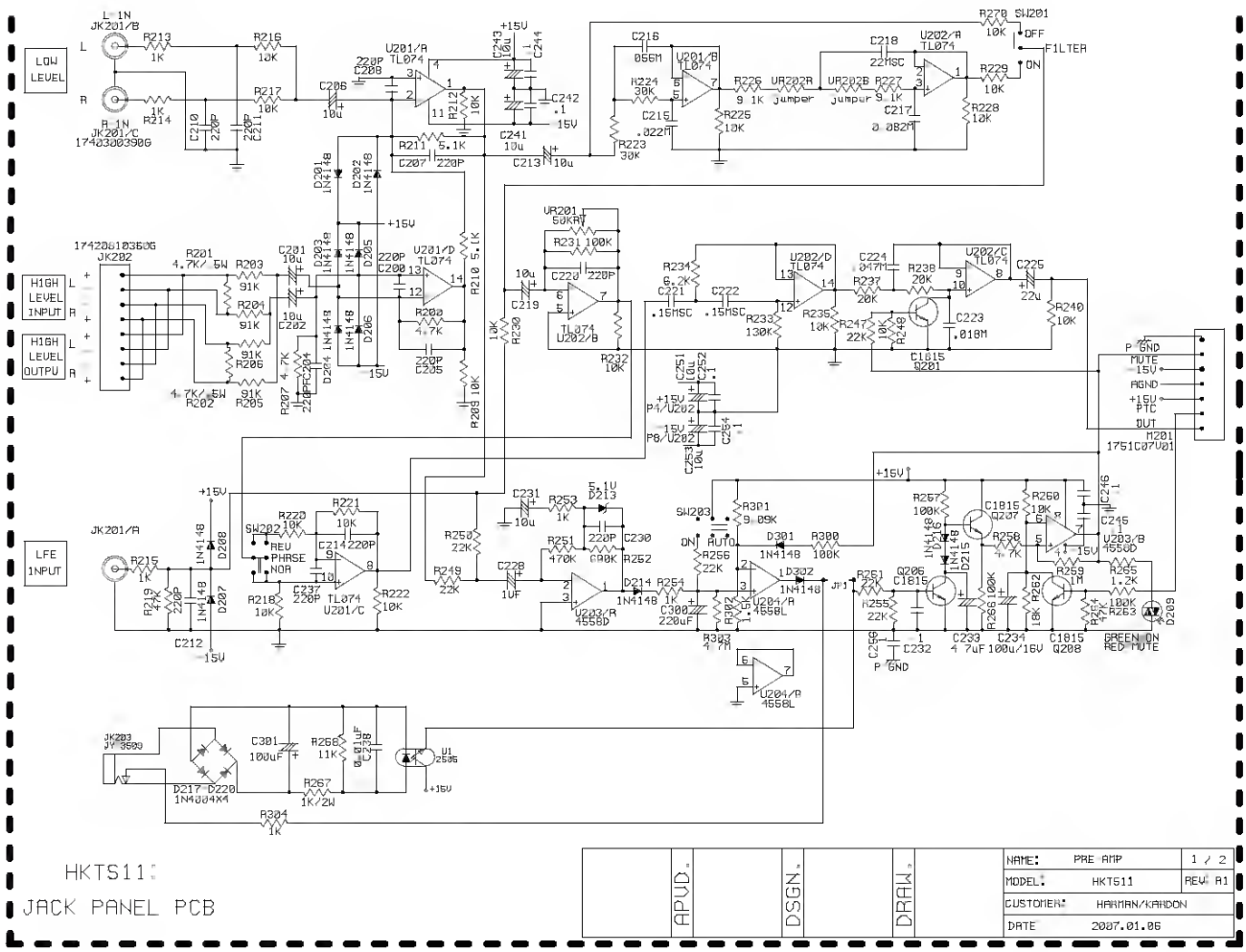




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## b. The Description For Control Function

| Main Menu Icon | Sub Menu Item | Sub Menu Icon | Description |
|---|---|---|---|
| | Contrast | | Contrast from Digital-register. |
| | Brightness | | Backlight Adjustment |
| | Focus | | Adjust Picture Phase to reduce Horizontal-Line noise |
| | Clock | | Adjust picture Clock to reduce Vertical-Line noise. |
| | H. Position | | Adjust the horizontal position of the picture. |
| | V. Position | | Adjust the vertical position of the picture. |
| | Warm | N/A | Recall Warm Color Temperature from EEPROM. |
| | Cool | N/A | Recall Cool Color Temperature from EEPROM. |
| | User / Red | | Red Gain from Digital-register. |
| | User/ Green | | Green Gain Digital-register. |
| | User / Blue | | Blue Gain from Digital-register. |
| | English | N/A | Set OSD display language to English. |
| | | N/A | Set OSD display language to Traditional Chinese. |
| | Deutsch | N/A | Set OSD display language to German. |
| | Français | N/A | Set OSD display language to French. |
| | Español | N/A | Set OSD display language to Spain. |
| | Italiano | N/A | Set OSD display language to Italian. |
| | | N/A | Set OSD display language to Simplified Chinese. |
| | | N/A | Set OSD display language to Japanese. |
| | H. Position | | Adjust the horizontal position of the OSD. |
| | V. Position | | Adjust the vertical position of the OSD. |
| | OSD Timeout | | Adjust the OSD timeout. |

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### Inspection

1. Clean gummy or dirty fuel tanks with Briggs & Stratton Carburetor Cleaner #100041 or #100042, or equivalent.
2. Inspect fuel tank for:
   - Corrosion
   - Leaks
   - Broken mounting brackets
3. Check fuel cap and filler neck for:
   - Proper seals
   - Vents
   - Functional quantity gauge (if equipped)
4. Check fuel filter for blockage of any kind.
5. Check fuel shut off valve for proper operation.

Clean or replace parts as required. Fuel filter replacement is recommended annually or any time the fuel system is serviced.

### Installation

1. Install tank support to tank. Slip fuel hose under governor link and spark plug wire through hole in support as tank is installed. Torque screws to values listed in *Engine Specifications*.
2. Assemble shut-off valve and fuel filter, if equipped, to fuel hose.
3. Install hose assembly to tank fitting and carburetor fitting with new clamps.
4. Install control panel/trim plate. Torque screws to values listed in *Engine Specifications*.
5. Add small amount of fuel to tank, open shut off valve, and check for leaks. Repair as necessary.
6. Install air cleaner assembly.
7. Start engine and check for leaks. Repair as necessary.

### Carburetor Service

## LMT Carburetor

Two versions of this carburetor have been used (Figures 25 and 26).
These carburetors have a fixed high speed main jet with a screw for idle mixture and idle speed adjustment. The letters LMT are cast into the body of the carburetor while the identification numbers are stamped into the carburetor mounting flange next to the idle mixture screw or above the fuel inlet.

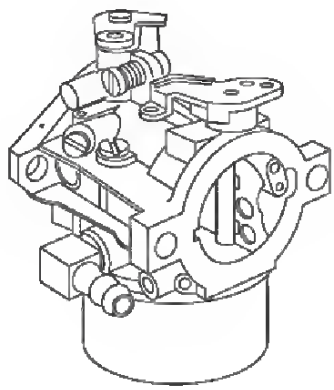

Figure 25

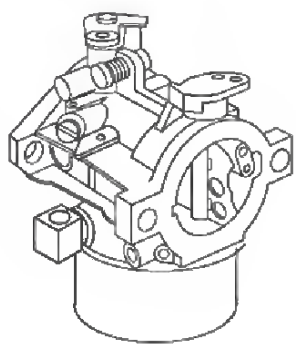

Figure 26

⚠ **WARNING** Before servicing the carburetor or other fuel system components, drain all fuel from the tank and turn OFF the fuel valve (if equipped).

DO NOT attempt to stop the fuel flow by plugging the fuel hose.



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# PIZZA

This setting can be used for foods such as pizza where base browning and crispness are required. The top and lower elements operate in conjunction with the oven fan.

## USING PIZZA

- The oven must be switched on before setting any cooking function or programme.
- Press the Oven Cavity selector until the main oven cavity is illuminated.
- Press the Function selector until the Pizza neon is illuminated.
- Wait 5 seconds until your choice is confirmed. The temperature will automatically set to 150°C.
- If you wish to alter the set temperature, you may do so by pressing - or + until the required temperature setting is reached.
- To switch off a function simply press the Function selector once. The function neon will go out and the display will return to the time of day.

## THINGS TO NOTE

- The oven light will illuminate.
- The heat indicator neons will flash until the oven has reached the desired temperature and then stop, an audible signal will sound. When the oven has been switched off the bars that are still lit indicate the remaining residual heat in the oven.
- If it is necessary to reach the required temperature in a shorter time, the Speedcook Function can be used. See Speedcook Function section.
- The cooling fan for the controls may operate after a time.
- If an automatic programme has been set, the oven fan and light do not come on until cooking begins.
- Some internal noise may be heard during operation. This is quite normal.

## HINTS AND TIPS

- Single level cooking using the middle shelf position gives best results.
- Ensure that food is placed centrally on the shelf for maximum air circulation.
- Be guided by the cook times and temperatures given on any packaging.
- Some pizzas should be cooked directly on the oven shelf. To prevent soiling the oven base, place a baking tray in one of the lower shelf positions.

**Do not place dishes, tins or baking trays directly onto the oven base as it becomes very hot and damage may occur.**

- The material and finish of the baking trays and dishes used will affect base browning. Enamelware, dark heavy or non-stick utensils increase base browning. Shiny aluminium or polished steel trays reflect the heat away and give less base browning.



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www.electrolux.com

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D-90327 Nürnberg

http://www.aeg.hausgeraete.de

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## Security

### Filter Defines

The Total Access 600 can filter packets based on certain parameters within the packet. The method used by the Total Access 600 allows the highest flexibility for defining filters and assigning them to a PVC. The filters are set up in two steps: (1) defining the packet types, and (2) adding them to a list under the PVC. This menu is used to define the individual filter defines based on packet type.

#### *Filter Defines /MAC Filter Defines*

The MAC filter is applied to bridge packets only. Bridge packets which are forwarded by the bridge functionality of the Total Access 600 are defined here. Up to 32 MAC defines can be specified.

| | |
|---|---|
| **NAME** | Identifies the filter entry. |
| **SRC ADDR** | 48-bit MAC source address used for comparison. (hexadecimal format) |
| **SRC MASK** | Bits in the MAC source address which are compared. (hexadecimal format) |
| **DEST ADDR** | 48-bit MAC destination address used for comparison. (hexadecimal format) |
| **DEST MASK** | Bits in the MAC destination address used for comparison. (hexadecimal format) |
| **MAC TYPE** | 16-bit MAC type field used for comparison. (hexadecimal format) |
| **TYPE MSK** | Bits in the MAC type field used for comparison. (hexadecimal format) |

#### *Filter Defines /Pattern Filter Defines*

The pattern filter is applied to bridge packets only. That is any packet which is forwarded by the bridge functionality of the Total Access 600. Up to 32 pattern defines can be specified.

| | |
|---|---|
| **NAME** | Identifies the filter entry. |
| **OFFSET** | Offset from beginning of packet of where to start the pattern comparison. |
| **PATTERN** | 64 bits used for comparison. (hexadecimal format) |
| **MASK** | Bits in the pattern to be compared. (hexadecimal format) |

#### *Filter Defines /IP Filter Defines*

The IP filter defines apply to any IP packet, whether it is routed or bridged. Up to 32 IP defines can be specified.

| | |
|---|---|
| **NAME** | Identifies the filter entry. |
| **IP SRC** | IP address compared to the source address. (dotted decimal format) |


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# Operation

## Operation Instructions for Nonmetered and Coin Slide Dryers

**IMPORTANT: Before using dryer for the first time, use an all-purpose cleaner, or a detergent and water solution, and a damp cloth to remove shipping dust from inside of dryer drum.**

**IMPORTANT: Remove all sharp objects from laundry to avoid tears and rips to items during normal machine operation.**

### Step 1: Clean Lint Filter

Clean lint filter before each use.

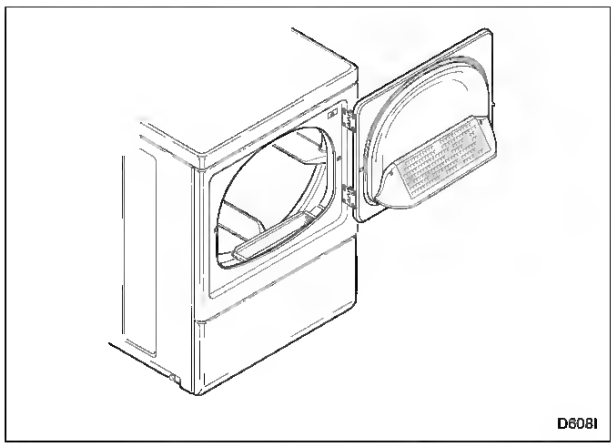


Figure 39

### Step 2: Load Laundry

Load clothes loosely into dryer drum. Add fabric softener sheet if desired.

**IMPORTANT: To avoid damage to dryer, do not use more than one fabric softener sheet per load.**

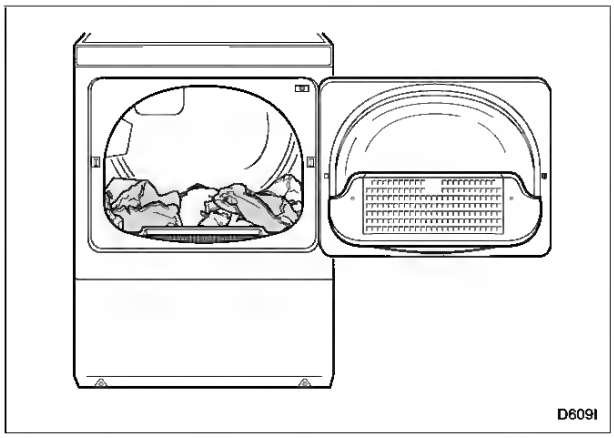


Figure 40

### Step 3: Close Loading Door

Close loading door. Dryer will not operate with the door open.

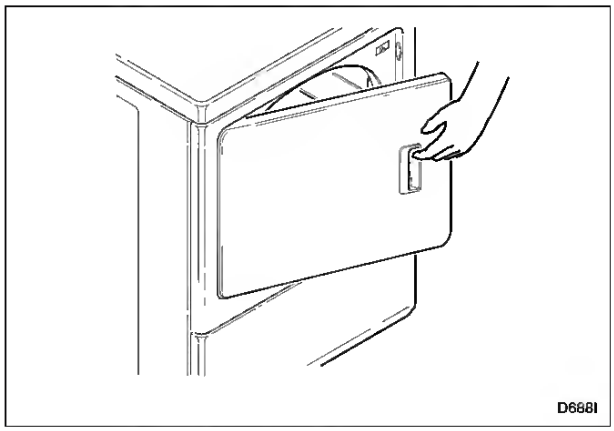


Figure 41


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**Functionality**: Query 15 requires either a view with aggregates or a temporary table. In the view, 1/28th of the Lineitems (3 months) are selected based on date and aggregated on Supplier. Close to all the Suppliers in the database will participate as output from this first step aggregation. The query itself returns details from the Supplier row which represents the maximum revenue. One row is returned from this query.

## Query 16 - Parts/Supplier Relationship

**TPC-D Business Question:** Counts the number of Suppliers who can supply Parts that satisfy a particular customer's requirements. The Customer is interested in Parts of eight different sizes as long as they are not a given type, not of a given brand, and not from a Supplier who has had complaints registered at the Better Business Bureau. Results must be presented in descending count and ascending brand, type and size.

**Functionality**: Query 16 uses a subquery with text compares using wild cards to select eligible Suppliers. It uses a two table join for Part and Part Supplier. Inequality and IN/NOT IN functions, with comparison to parameters passed into the query, are used to pare down the answer set.

## Query 17 - Small Quantity Order Review

**TPC-D Business Question:** Considers parts of a given brand and with a given container type and determines the average lineitem quantity of such parts ordered for all orders (past and pending) in the 7-year database. What would be the average yearly gross (undiscounted) loss in revenue if orders for these parts with a quantity of less than 20% of this average were no longer taken?

**Functionality:** Query 17 uses correlated subquery functionality to perform what-if analysis. A join of Lineitem and Part take place in both inner and outer queries. 1/1000th of the rows in the Part table qualify based on the selection criteria. The item quantity that represents 20% of the average item quantity is calculated in the subquery with the AVERAGE aggregation.

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## Problem: Image is reversed.

- Select "Image" from the OSD and adjust the projection direction. See page 22, 23.

## Problem: Lamp burns out or makes a popping sound

- When the lamp reaches its end of life, it will burn out and may make a loud popping sound. If this happens, the projector will not turn on until the lamp module has been replaced. To replace the lamp, follow the procedures in the "Replacing the Lamp". See page 36.

## Problem: LED lighting message

| Message | Power LED | Temp LED | Lamp LED |
|---|---|---|---|
| | Amber | | |
| Standby State (Input power cord) | Slow Flashing | ○ | ○ |
| Lamp lighting | ☼ | ○ | ○ |
| Power on | ☼ | ○ | ○ |
| Power off (Cooling) | Quick Flashing | ○ | ○ |
| Error (Lamp fail) | ○ | ○ | ☼ |
| Error (Thermal fail) | Flashing | ☼ | ○ |
| Error (Fan lock fail) | Flashing | Quick Flashing | ○ |
| Error (Over Temp.) | Flashing | ☼ | ○ |
| Error (Lamp Breakdown) | ○ | ○ | ☼ |

☼ =>Light On ○ =>Light Off



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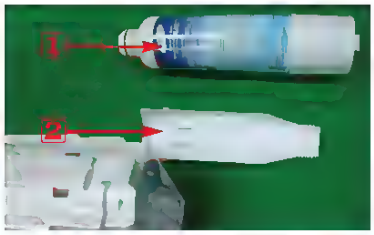
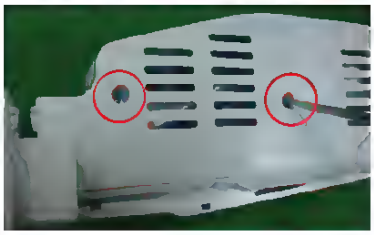
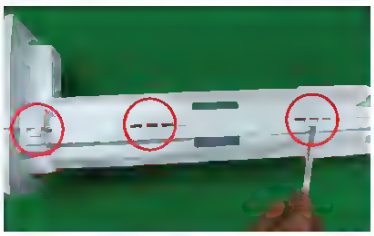
## DISASSEMBLY AND REASSEMBLY

### 3-12) Case Water Filter

| Part Name | How To Do | Descriptive Picture |
|---|---|---|
| Case Water Filter | 5. Pull the two hose out from the water valve.(Refer to the "Water Valve") | |
| | 5. Pick the Case Water Filter out. | |

### 3-13) Water Tank

| Part Name | How To Do | Descriptive Picture |
|---|---|---|
| Water Tank | Before disassembling the Water Tank take the water filter(1) and water tray(2) out. |   |
| | 1. Remove 2 screws beside. |  |
| | 2. a. Lose the hooks by pushing the flat-blade driver. |  |



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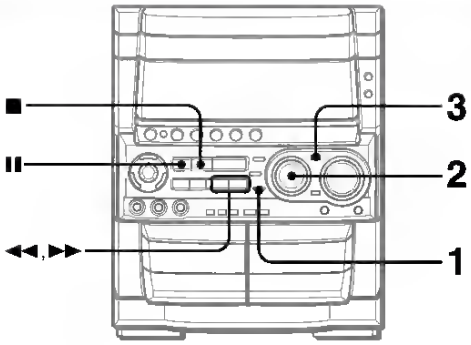
# PUESTA EN HORA DEL RELOJ




**1 Pulse CLOCK.**
El reloj se visualiza. (":" entre las horas y los minutos parpadeará.)

**2 Antes de que pasen 4 segundos, gire MULTI JOG para designar la hora y los minutos.**
Al girar **MULTI JOG** cambian la hora y los minutos.
En lugar de **MULTI JOG** también puede utilizarse ◄◄ o ►►.
La hora cambiará rápidamente manteniendo pulsados estos botones.

**3 Pulse ENTER o II.**
El reloj empieza a funcionar desde 00 segundos.

**Para reponer el ajuste original del reloj**
Pulse **CLOCK** antes de completar el paso 3 para reponer el ajuste anterior de la hora. Esto cancelará cualquier nuevo ajuste.

**Para ver el reloj habiendo otra visualización en el visualizador**
Pulse **CLOCK**. La hora se visualizará durante 4 segundos y luego volverá a aparecer la visualización original. Sin embargo, el reloj no podrá visualizarse durante la grabación.

**Para cambiar al modo de 24 horas**
Pulse **CLOCK** y luego pulse ■ antes de que pasen 4 segundos. Repita el mismo procedimiento para reponer el modo de 12 horas.

En el modo estándar de 12 horas, "AM 12:00" indica la medianoche y "PM 12:00" indica el mediodía.

**Si parpadea la visualización del reloj**
Si parpadea la visualización cuando se visualiza el reloj, esto indica que el reloj se ha parado debido a un fallo en la alimentación o a la desconexión del cable de alimentación. La hora actual necesita reponerse.

**NOTA**
Si el modo de ahorro de energía (página 7) está activado, la unidad se apagara cuando se desconecte la alimentación. Para ver el reloj, pulse **CLOCK** para visualizar la hora durante 4 segundos.



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# Using the AcerBasic

## Power On Password

The Power On Password secures your computer against unauthorized use. Once you set this password, you have to type it whenever you boot the computer. To set this password, enter the BIOS Utility, select System Security, then highlight the Power On Password parameter. Follow the same procedure as in setting the Setup password.



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# 4

# Reconfiguring the AlphaServer IP Platform

## 4.1 Introduction

In order to upgrade the *AlphaServer IP Platform* or replace defective parts, you need to remove and install components within the IP Platform. These components are within the individual *AlphaServer* 1000A system, ISA bus expansion chassis, and modular storage shelf BA35x-Sx subsystems. After you change any IP Platform component, you may want to verify or modify the system configuration.

This chapter lists the components of the IP Platform subsystem that may need to be removed or installed, and the procedure for viewing and modifying the subsystem configurations using the IP Platform console terminal SRM commands.

Before you attempt to install third-party devices inside your system unit, check with the third-party vendor to ensure that your system hardware and operating system software support the device.

**Caution**

Static electricity can damage electronic components. Use the antistatic wriststrap located in the inside rear cabinet door pocket. Additionally, use an antistatic mat when you handle internal components.

**Achtung**

Elektrostatische Entladungen könnten elektronische Komponenten beschädigen. Tragen Sie deshalb das Antistatikarmband, das sich in der Tasche an der Innenseite der hinteren Gehäuseklappe befindet. Außerdem sollten Sie bei der Berührung von internen Komponenten eine Antistatikmatte benutzen.



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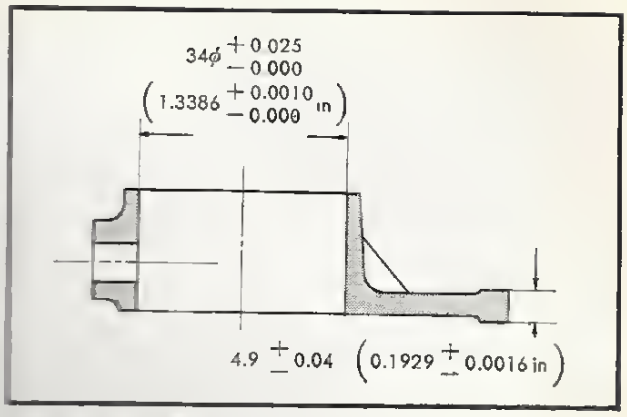


Figure 3-85. Shift fork

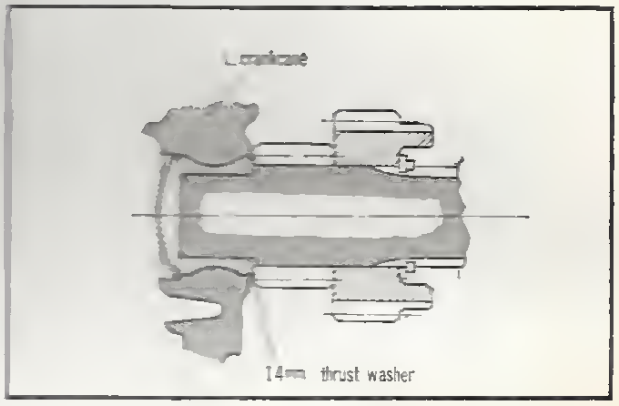


Figure 3-86. Thrust washer C50, C50M, C65, C65M

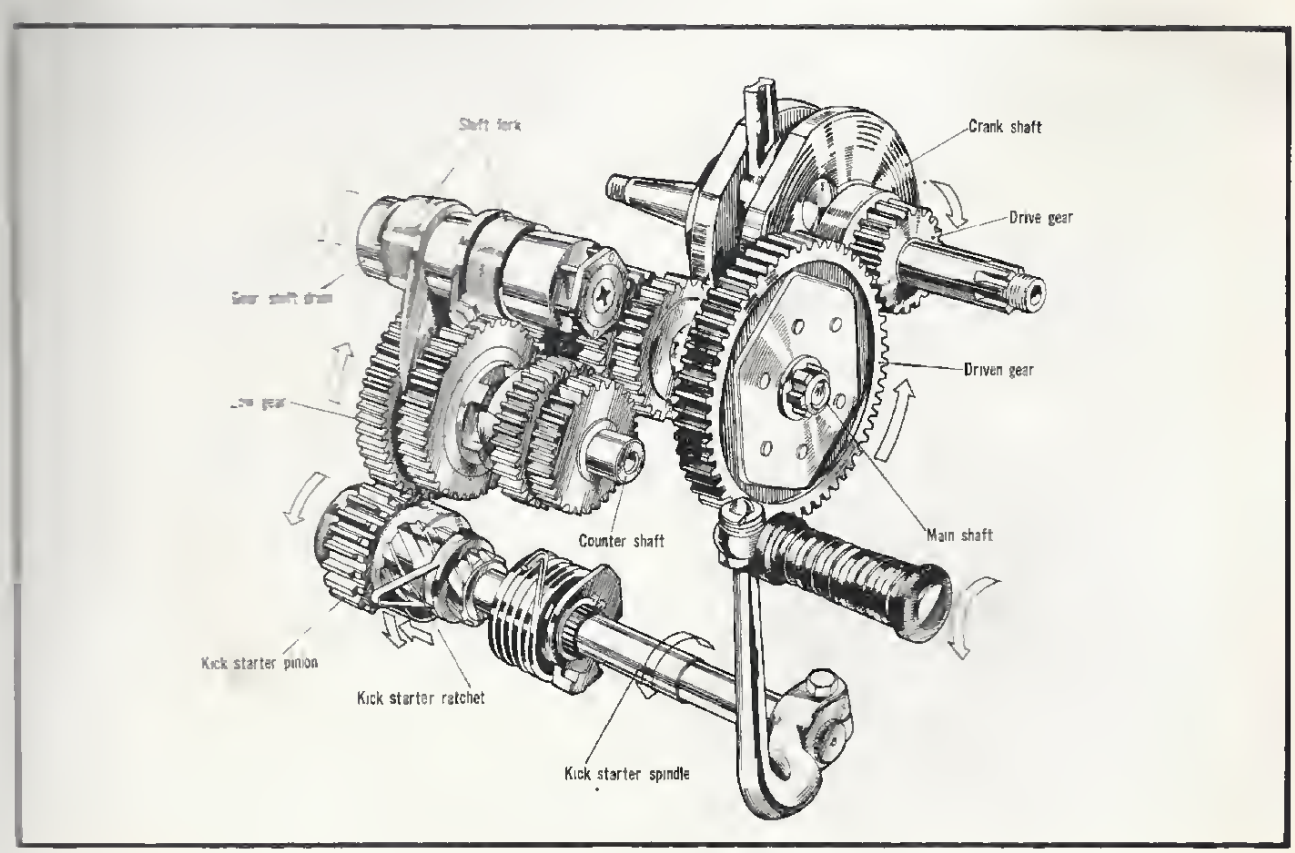


Figure 3-87. Kick starter functional diagram

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# 12 Technical data

| | RUA6408X | RUA8408X |
|---|---|---|
| Gross volume: | 188 l | 224 l |
| Fridge storage volume: | 134 l | 170 l |
| Freezer storage volume: | 46 l | 46 l |
| Voltage: | 230 to 240 V~ / 50 to 60 Hz<br>12 V⎓ | |
| Power input: | 325 W (240 V~)<br>275 W (12 V⎓) | |
| Power consumption: | 240 V~ : 5.0 kWh/24 h<br>12 V⎓: 400 Ah/24 h | 240 V~ : 5.8 kWh/24 h<br>12 V⎓: 420 Ah/24 h |
| Gas consumption: | 500 g/24 h | 500 g/24 h |
| Climatic class: | T | |
| Dimensions (in mm)<br>Width x Height<br>– without flange:<br>– with flange:<br>Depth (in mm)<br>– overall (excludes control knob 5 mm):<br>– from flange rear face: | <br><br>525 x 1434<br>550 x 1447<br><br><br>677<br>611 | <br><br>525 x 1644<br>550 x 1657<br><br><br>677<br>611 |
| Weight: | 60 kg | 64 kg |
| Inspection/certification: | | |

**NOTE**
The power and gas consumptions are measured at 32 °C ambient temperature with 3 °C average cooling temperature in the refrigerator compartment.



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# Specifications

| Model | FP751 |
|---|---|
| Display type | 17.0", active, TFT |
| Viewable diagonal | 43.18 cm |
| Native (maximum) resolution | 1280 x 1024 |
| Colors | 16.7 million |
| Contrast / Brightness | 400:1 / 250 cd/m² |
| Response time | 45 ms |
| Viewing angle (left/right, up/down) | 60/60,45/70 |
| Dot Pitch | 0.264 mm |
| Line frequency | 31.47 - 60.24 kHz Multi- frequency monitor |
| Image frequency | 56.25 - 75.0 Hz modes within these parameters |
| Image checks | Digital, *Screen* OSD Technology, *iKey* (automatic image setting) |
| Controls | mains switch, 2 buttons, one fly-wheel OSD, *iKey*. |
| iScreen functions | Contrast, brightness, vert. & hor. image position, phase, pixel clock, color balance, color palette, choice of language (6 language OSD), OSD position, status indicator |
| Power Management | VESA DPMS, EPA |
| max. power consumption | 50 Watt Max |
| Power saving mode | < 3 Watt |
| Input signal | RGB analog 0.7 Vpp/75 Ohm positive |
| Synchronisation | TTL separate |
| Signal connection | 15-pin mini D-sub cable |
| Temperature (operating) | 5 °C - 40 °C |
| Air humidity (operating) | 20% - 85% |
| Certifications | TCO 99 (Optional), TÜV/Ergonomics, CSA, TÜV/GS, IEC950, FCC Class B, DSNF, ISO 13406-2, VCCI, UL, CB Report, CE, C-Tick, BSMI |
| Operating voltage | Automatic switched mode power supply, 90-264 V, 47-63Hz |
| Dimensions (W x H x D) | 422 x 451 x 207.97 mm |
| Weight | 6.8 kg |



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In the diagram, the **Low-Pass Filter** removes carrier-related signals to reject them from the circuits that follow. The **Low-Noise Amplifier** improves the measurement noise floor. The **Output Conditioning** circuits set the proper level to the FFT spectrum analyzer and limit the frequency range of the noise for the frequency segment being measured.

Figure 5 shows the more common measurement mode where two RF sources are phase-locked together in quadrature (that is, the phase difference of the sources is 90°). In this situation the **Phase Detector** outputs a signal proportional to the sum of the phase fluctuations on the two sources. The output from the Phase Detector is switched (by the **Input Switch)** into the same path as in the previous example. For this method to give valid results several conditions must be met.

- The L and R ports of the Phase Detector may be interchanged, and either source may be the local oscillator (the higher level "L" source). Neither source should exceed the specified maximum level.
- Either source can be the VCO (Voltage-Controlled Oscillator), but it must be tuneable with dc (dc FM) and compatible with the other source and the Interface.
- The VCO must be characterized (its tuning constant measured) before valid measurements can be made. This is done by the software after some general characteristics are input by the user.
- The two signals must remain in quadrature during the measurement. Tbe Interface meter (not sbown) is useful for visually monitoring phase quadrature drift between the two sources.
- The rms sum of the phase noise of both sources is measured inseparably.
- The conditioning circuits within the Interface must have been characterized before any measurements are made with the Interface. This is usually done annually; calihration data is stored in mass storage.

**NOTE**

*When configuring the system for a phase-noise measurement, one source is arbitrarily defined as the "Device-under-Test" (DUT) and the other source as the "Reference". Either source can be the L source and either source can be the VCO.*

Characterization of the phase-lock loop (PLL) is critical. If the loop is incorrectly set up, the loop may not acquire lock, may he unstable or even oscillats (create discrete FM), may track out the phase noise, or may generate erroneous results. Selection of the proper loop parameters is the task of the controller which, based on measured and user-input data, chooses the device parameters in the **Tune Voltage Conditioning** circuits which best match the VCO. The parameters that the controller can manipulate in the PLL are gain, offset, and frequency-response shaping (selection of poles and zeros).

## A4 Phase Detector Assembly

Refer now to the main Block Diagram. The Phase Detector Assembly can conveniently be hroken into three functional circuit blocks: (1) the phase demodulation circuits, (2) calibration signal routing circuits, and (3) tune-voltage conditioning circuits.

### Phese Demoduletion Circuits

If the phase noise on the device-under-test (DUT) has been demodulated externally, the demodulated phase noise is fed directly into the Interface via the front-panel NOISE INPUT connector. More commonly, the RF signal is demodulated by an internal RF or an optional microwave phase detector.



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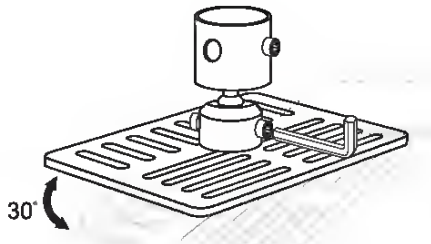
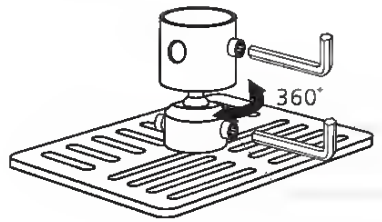
English

5 Adjust the angle and positioning as necessary.




Tightening Screw

Allen Key

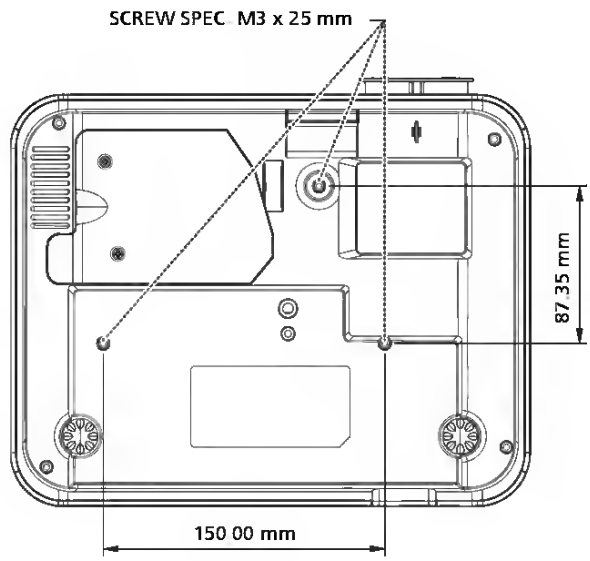



Allen Key

Tightening Screw

**Note:** The appropriate type of screw and washer for each model is listed in the table below. 3 mm diameter screws are enclosed in the screw pack.

| Models | Screw Type B | | Washer Type | |
|---|---|---|---|---|
| | Diameter (mm) | Length (mm) | Large | Small |
| H7532BD/E152D/ HE-812 | 3 | 25 | V | V |

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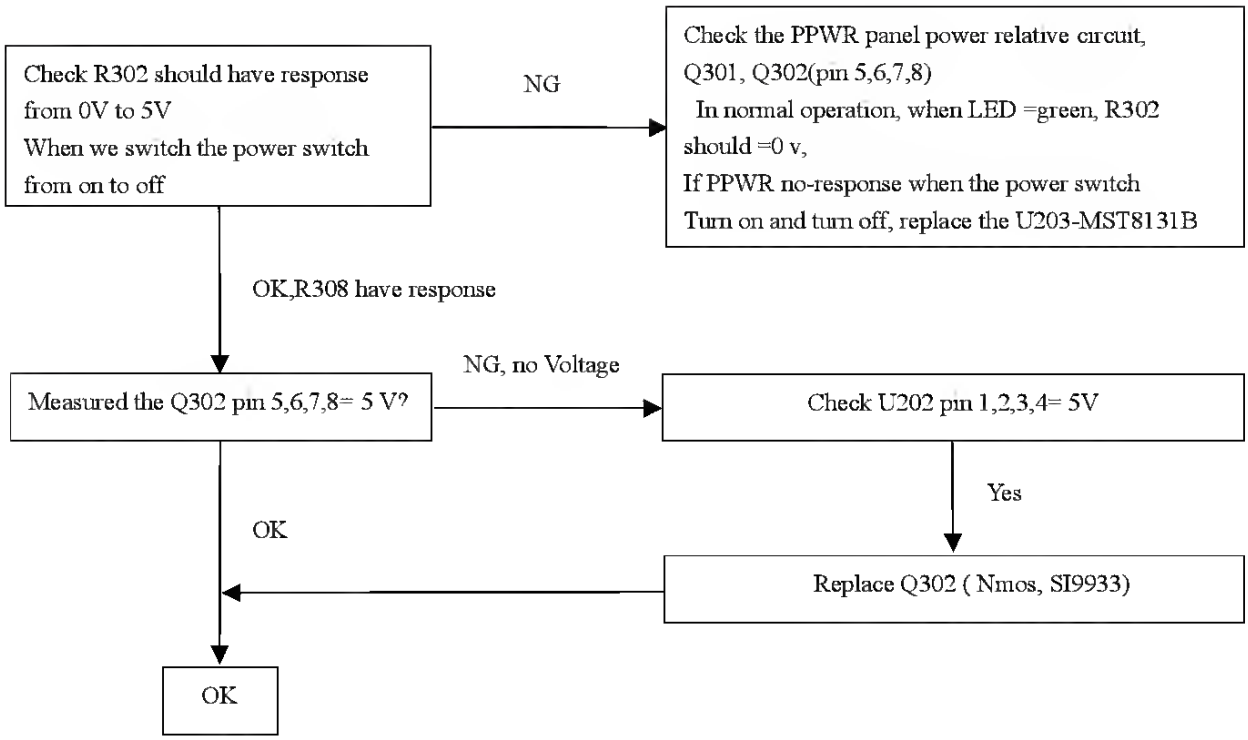
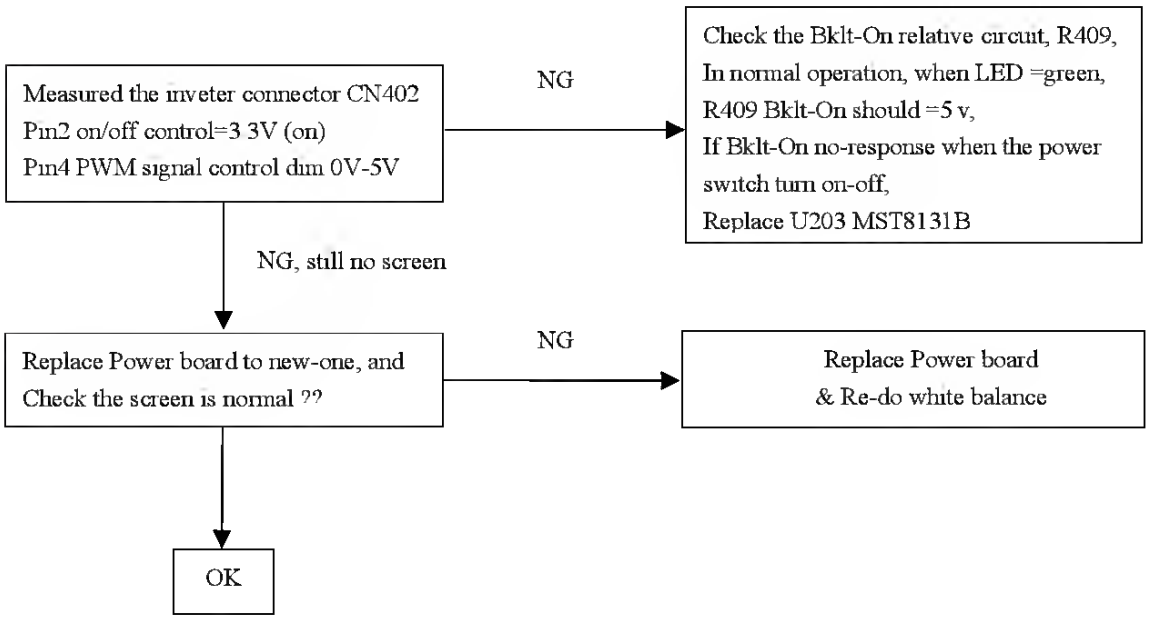
## 2.Panel-Power Circuit


Check R302 should have response
from 0V to 5V
When we switch the power switch
from on to off
NG
Check the PPWR panel power relative circuit,
Q301, Q302(pin 5,6,7,8)
In normal operation, when LED =green, R302
should =0 v,
If PPWR no-response when the power switch
Turn on and turn off, replace the U203-MST8131B
OK,R308 have response
Measured the Q302 pin 5,6,7,8= 5 V?
NG, no Voltage
Check U202 pin 1,2,3,4= 5V
Yes
OK
Replace Q302 ( Nmos, SI9933)
OK

## 3.Inverter Control Relative Circuit


Measured the inveter connector CN402
Pin2 on/off control=3 3V (on)
Pin4 PWM signal control dim 0V-5V
NG
Check the Bklt-On relative circuit, R409,
In normal operation, when LED =green,
R409 Bklt-On should =5 v,
If Bklt-On no-response when the power
switch turn on-off,
Replace U203 MST8131B
NG, still no screen
Replace Power board to new-one, and
Check the screen is normal ??
NG
Replace Power board
& Re-do white balance
OK



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## USB connector

- Micro USB port

## Power

- DC power-in (5 V, 2 A)
- Qualcomm Quick Charge 2.0 Class A charging supported

> **Note**
> *Requires a compatible charger that can be purchased separately.*

## Connectivity

- Bluetooth 4.0
- 802.11a/b/g/n wireless LAN
- GPS; GLONASS

## Camera

- Front camera
  - 2-megapixel
  - HD audio/video recording
- Rear camera
  - 5-megapixel
  - Full HD audio/video recording

## Expansion

- microSD card slot (up to 128 GB)

## Battery

- 17.3 Wh 4550 mAh 3.8 V 1-cell Li-ion battery pack

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# 12. Product Specifications

### Printer Connection
**Printer Interface**: One USB port, compliant with USB 2.0 Hi-speed standard.

### Wireless Networking
**Network Standards**: Wireless LAN standard IEEE802.11g.
**Network Data Transfer Rate**: 54Mbps with fallback to 48, 36, 24, 18, 12, 11, 9, 6, 5.5, 2, and 1Mbps.
**Network Mode**: Support both Infrastructure and Ad-hoc mode.
Wired Networking
**Network Interface**: One 10/100 Fast Ethernet port (RJ-45 connector).
**Network Data Transfer Rate**: 100Mbps.

### Network Protocol Support
**Transport Protocols:** TCP/IP, SMB, NetBEUI, and AppleTalk.
**TCP/IP Protocols Support:** BOOTP, SNMP, Telnet, FTP, LPD, DHCP, and IPP.

### Hardware
**SDRAM**: 8MB.
**Flash ROM**: 2MB.

### Operating System Support
- Windows 95/98/ME, Windows NT, Windows 2000/XP/2003;
- NetWare 5.x (NDPS LPR remote printing);
- HP-UX Unix, Sun O.S, Solaris, SCO Unix, AIX;
- Unixware and Linux;
- Mac OS, AppleTalk.

### Management
**Standard:** SNMP
**MIBs**: MIB-II (RFC 1213).
**Utilities**: PS-Utility, PS Wizard.

### Environmental and Physical
**Power Supply**: 5VDC.
**Operating Temperature**: 0°C to 50°C.
**Storage Temperature**: -25°C to 55°C.
**Humidity**: 5% to 95%, non-condensing at 30°C.

### EMI Compliance
FCC Class B, CE Class B, VCCI Class B



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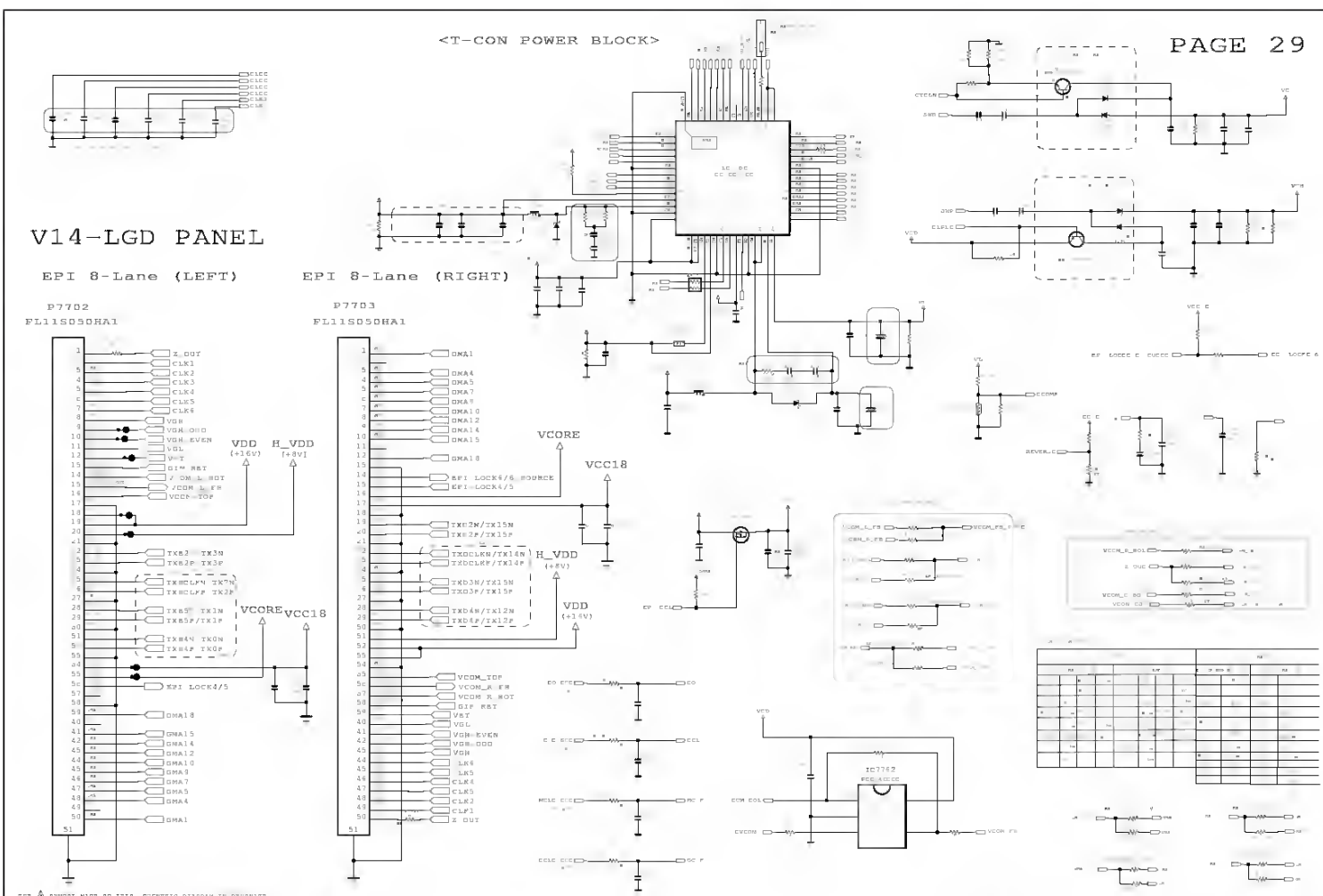


THE ⚠ SYMBOL MARK OF THIS SCHEMETIC DIAGRAM IN DENOTES SPECIAL CHARACTERS IMPORTANT FOR PROTECTION OF X-RAY RADIATION AND ELECTRICAL SHOCK HAZARDS. WHEN SERVICING IT IS ESSENTIAL THAT ONLY MANUFACTURERS SPECIFIED PARTS BE USED FOR THE CRITICAL COMPONENTS IN THE ⚠ SYMBOL MARK OF THE SCHEMETIC

SECRET
LGElectronics

LG ELECTRONICS

| MODEL | MID_LG1311 | DATE | 2013-04-03 |
|---|---|---|---|
| BLOCK | T-Con | SHEET | 77 |

29 31

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www.acer.com

# Federal Communications Commission
# Declaration of Conformity

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

The following local Manufacturer /Importer is responsible for this declaration:

| | |
|---|---|
| Product | DLP Projector |
| Model Number | V9800/V370/HT-4K50/A4K1603 |
| Name of Responsible Party | Acer America Corporation |
| Address of Responsible Party | 333 West San Carlos St<br>Suite 1500<br>San Jose, CA 95110<br>U S A |
| Contact Person | Acer Representative |
| Phone No. | 254-298-4000 |
| Fax No. | 254-298-4147 |

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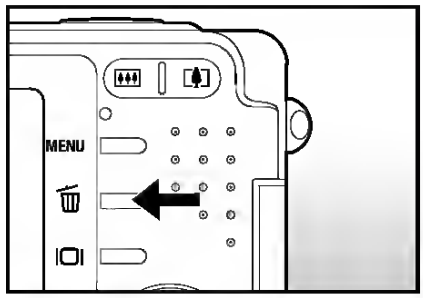
# [ 🗑 ] Erasing Images

## Erasing at Photography Mode (Quick Delete Function)

Quick delete function enables you to erase the image during photography. The quick delete menu provides you to directly erase the last image without further settings.

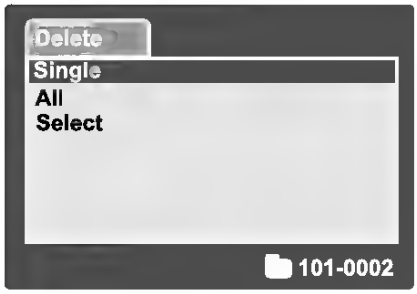
1. Slide the mode switch to [ 📷 ] or [ 🎥 ].
2. Press the 🗑 button.
   - The last image and quick delete menu appear on the screen.
3. Press the **SET** button to erase the image.
   - To not erase, select [Cancel], and press the **SET** button.



## Erasing at Playback Mode

Erasing single image / Erasing all images

1. Slide the mode switch to [ ▶ ].
   - The last image will be displayed on the screen.
2. Select the image you want to erase with the ▲ / ▼ buttons..
3. Press the 🗑 button.
   - The deletion menu will be displayed.
4. Select [Single] or [All] with the ▲ / ▼ buttons, and press the **SET** button.
   - Single: Erases the selected image or the last image.
   - All: Erases all of the images on the SD card except for the protected images.
   - Select: Erases a number of selected images.



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| | | | |
|---|---|---|---|
| 212-System Processor Failed/Mapped out | 1S | Processor in slot x failed. | Run Diagnostics and replace failed processor. |
| 213-Cache Size Error | None | Invalid optional cache size. | Replace cache with 256K cache. |

*Continued*

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# INTERIOR

**INTERIOR**

The interior of all Airstream trailers has been designed for comfort, convenience, durability and appearance How you use it and how you take care of it naturally depends on you. However, if you learn to operate the interior components and take care of them and the trailer properly, this knowledge will add to your pleasure as well as the long life of your trailer.

All materials should be professionally dry cleaned to remove any overall soiled condition. However, these materials may be spot cleaned using the cleaning code instructions as listed. Sample swatches are furnished to our dealers. The dealer will be able to give you the name of the fabrics used in your particular trailer. Each swatch will show the cleaning code in parenthesis.

**Upholstery**

Upholstery-Cleaning Code S

All materials should be professionally dry cleaned to remove any overall soiled condition. Spot clean, using a mild water free solvent or dry cleaning product DO NOT SATURATE THE FABRIC. Carefully follow instructions on such product. Clean only in a well-ventilated room. Avoid any product containing carbon tetrachloride, which is highly toxic. Pretest small area before proceeding. Use professional furniture cleaner when an overall soiled condition is reached.

**Leather**

Clean leather fabrics with standard products used for that purpose. Follow instructions on the cleaning products container.

**NOTICE: Never remove cushion cover for separate dry cleaning or washing. Any tumble cleaning method can destroy the backing, shrink or otherwise damage upholstery fabric.**

**WARNING: Keep your furniture and family safe from fires caused by careless smoking. Do not smoke when drowsy. Remove immediately any flowing ash or a lighted cigarette, which falls on furniture. Smoldering smoking material can cause upholstered furniture fires.**

**Interior Skin**

Most of the interior skin on your trailer is covered with an upholstery that can be cleaned with a vacuum cleaner. For stubborn spots follow Code W instructions above.

For the vinyl Ceiling covering Damp wiping with mild detergent does routine cleaning. Using any of the automotive cleaners designed for vinyl car seats and dashes can perform more thorough cleaning.

The aluminum interior skin around the galley should be cleaned by following the same cleaning instructions detailed in the Exterior section of this manual for the exterior skin. Do not use abrasive cleaners or utensils on the aluminum skin as it is coated with a clear coat that could be damaged.

**Draperies**

**NOTICE: All drapery materials and mattress covers must be professionally dry-cleaned.**

Unsnapping from the wall, removing a screw or pop rivet from the end of the curtain track, and sliding them out remove draperies. The pop rivets are removed by drilling through the head with a 1/8" drill bit. To prevent damage to the draperies while traveling, the VENETIAN TYPE BLINDS should be lowered, secured at the bottom and the slats turned vertically.

**Carpet**

The carpet can be cleaned with any good commercial carpet cleaner, or with a detergent and water. BE CAREFUL NOT TO SOAK THE CARPET WITH WATER.

**Vinyl Floor**

The vinyl floor in your unit can be cleaned with liquid floor cleaning solutions recommended for vinyl floors and warm water.

**Counter Area**



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## Dimensions

| | |
|---|---|
| Height | 190 mm |
| Width | 108 mm |
| Thickness | 9.65 mm |
| Weight | 0.28 kg. |

## Environment

*Temperature*

Operating: 0° C to 35° C

Non-operating: -20° C to 60° C

*Humidity (non-condensing)*

Operating: 20% to 80%

Non-operating: 20% to 80%

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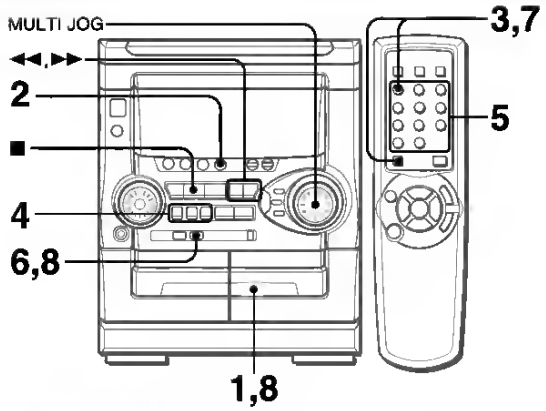
# ENREGISTREMENT AVEC MONTAGE ET CALCUL DU TEMPS




La fonction enregistrement avec montage et calcul du temps permet d'enregistrer à partir de disques compacts sans se préoccuper de la durée de la cassette et des durées des plages. Quand on met un disque compact en place, l'appareil calcule automatiquement la durée totale des plages. Si nécessaire, l'ordre des plages est changé de manière qu'aucune plage ne soit tronquée.
(AI: Intelligence Artificielle)

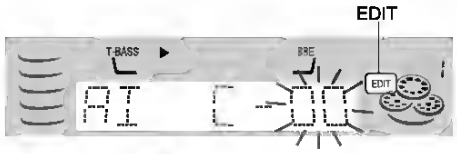
**REMARQUE**

L'enregistrement avec montage et calcul du temps ne démarrera pas à un point situé au milieu d'une face. La cassette doit être enregistrée à partir du début d'une de ses faces.

***1* Insérer la cassette dans la platine 2.**
Insérer la cassette avec la face à enregistrer en premier orientée vers l'extérieur de l'appareil.

***2* Appuyer sur CD et mettre le(s) disque(s) en place.**

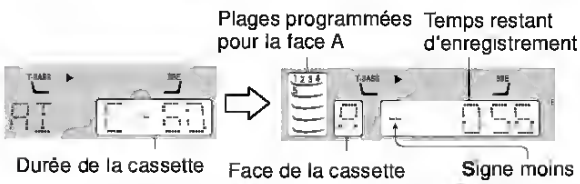
***3* Appuyer une fois sur CD EDIT/CHECK tout en appuyant sur SHIFT de la télécommande.**
"EDIT" et "AI" sont affichés




- Si "PRGM" est affiché, appuyer de nouveau sur **CD EDIT/CHECK** tout en appuyant sur **SHIFT**.

***4* Appuyer sur une des touches DISC DIRECT PLAY 1-3 pour sélectionner un disque.**

***5* A l'aide des touches numériques 0-9 de la télécommande, spécifier la durée de la cassette.**
On peut spécifier une durée de 10 à 99 minutes.
Exemple. Quand on utilise une cassette de 60 minutes, appuyer sur 6 et **0**.
En quelques secondes, les plages à enregistrer sur chaque face de la cassette sont déterminées.
- On peut aussi utiliser ◄◄, ►► ou **MULTI JOG** pour spécifier la durée de la cassette.




A: Face du premier enregistrement
B: Face du deuxième enregistrement

***6* Appuyer sur ● REC/REC MUTE pour démarrer l'enregistrement sur la première face.**
La cassette est rebobinée jusqu'au début de la première face, l'amorce est lue pendant dix secondes, puis l'enregistrement démarre. Une fois que l'enregistrement de la dernière plage programmée pour la face A est terminé, la platine 2 se met en mode arrêt d'enregistrement. Passer alors à l'étape 7.

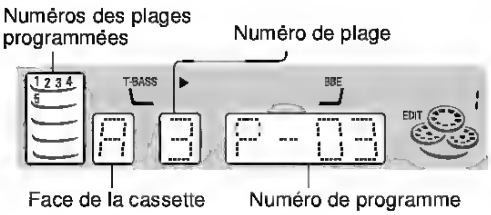
***7* Appuyer sur CD EDIT/CHECK tout en appuyant sur SHIFT de la télécommande pour afficher le programme du deuxième enregistrement.**
"B" est affiché

***8* Retourner la cassette de la platine 2 puis appuyer sur ● REC/REC MUTE pour démarrer l'enregistrement sur la deuxième face.**

**Pour arrêter l'enregistrement**
Appuyer sur ■. L'enregistrement de la cassette et la lecture du disque compact s'arrêtent simultanément.

**Pour effacer le programme du montage**
Appuyer deux fois sur ■ **CLEAR** de manière que "EDIT" disparaisse de l'affichage.

**Pour contrôler l'ordre des numéros des plages programmées**
Avant l'enregistrement, appuyer sur **CD EDIT/CHECK** tout en appuyant sur **SHIFT** de la télécommande pour sélectionner la face A ou B, puis appuyer sur ◄◄ ou ►► à plusieurs reprises.




**Pour ajouter des plages d'autres disques au programme du montage**
S'il reste du temps sur la cassette après l'étape 5, on peut ajouter des plages des autres disques situés dans le compartiment.
1 Appuyer sur **CD EDIT/CHECK** tout en appuyant sur **SHIFT** de la télécommande pour sélectionner la face A ou B.
2 Appuyer sur une des touches **DISC DIRECT PLAY 1-3** pour sélectionner un disque.
3 Sélectionner les plages à l'aide des touches numériques de la télécommande.
Une plage dont la durée de lecture est supérieure au temps restant ne peut pas être programmée.
4 Pour ajouter d'autres plages, répéter les étapes 2 et 3.

**Durée des cassettes et temps du montage**
La durée d'une cassette est généralement supérieure à celle indiquée sur l'étiquette. Cet appareil peut programmer des plages pour utiliser le temps en excès. Quand la durée totale d'enregistrement est légèrement supérieure à la durée spécifiée pour la cassette après le montage, l'affichage indique le temps en excès (sans signe moins) au lieu du temps restant (avec le signe moins).

**REMARQUE**

La fonction enregistrement avec montage et calcul du temps ne peut pas être utilisée avec les disques contenant 31 plages ou plus. "TR OVER" est affiché si un tel disque est utilisé.

F



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## Compaq Operating System Dependent Modules

Compaq supplies low-level services, called operating system dependent modules (OSDs), which are required by Oracle8*i* Parallel Server. The OSD layer monitors critical clustering hardware components, constantly relaying cluster state information to Oracle8*i* Parallel Server. Oracle8*i* Parallel Server monitors this information and takes pertinent action as needed.

For example, the OSD layer is responsible for monitoring the cluster interconnect of each node in the cluster. The OSD layer determines if one of the nodes is no longer responding to the cluster heartbeat. If the node still does not respond, the OSD layer determines it is unavailable. The OSD layer evicts the node from the cluster and informs Oracle8*i* Parallel Server. Oracle8*i* Parallel Server recovers the part of the database affected by that node, and reconfigures the cluster with the remaining nodes.

### OSDs for Oracle8*i* Parallel Server

For a detailed description of how the OSD layer interacts with Oracle8*i* Parallel Server, refer to the *Oracle8i Parallel Server Setup and Configuration Guide.* Also refer to "Installing Compaq OSDs" in Chapter 5, "Installation and Configuration."

The OSD software is found on the Compaq Parallel Database Cluster Clustering Software for Oracle8*i* on Microsoft Windows 2000 CD. This CD is provided in the cluster kit for the PDC/O1000.

# Oracle Software

The PDC/O1000 supports Oracle8*i* software. If you are using a release other than Oracle8*i* Release 8.1.7, confirm that the release has been certified for the PDC/O1000 on the Compaq website at

www.compaq.com/solutions/enterprise/ha-pdc.html

## Oracle8*i* Server Enterprise Edition

The Oracle8*i* Server Enterprise Edition provides the following:

- Oracle8*i* Server
- Oracle8*i* Parallel Server Option
- Oracle8*i* Enterprise Manager

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# Memory Modules

## Technical Information and Important Guidelines for DIMM Installation

When installing DIMMs, you must follow these guidelines:

- Use only 128-, 256-, 512-MB, or 1-GB PC 133-MHz Registered ECC SDRAM DIMMs.
- DIMMs must be industry-standard 168-pin PC 133-MHz or faster registered SDRAM DIMMs. The SDRAM DIMMs must support CAS Latency 2 or 3 (CL=2 or CL=3). They must also contain the mandatory Joint Electronic Device Engineering Council (JEDEC) Serial Presence Detect (SPD) information.
- Do not mix ECC and non-ECC SDRAM DIMMs. If different types of DIMMs are mixed, the system does not properly function.
- A DIMM can be installed only one way. Be sure to match the two *key slots* on the DIMM with the tab on the DIMM socket. Push the DIMM down into the DIMM socket, ensuring that it is fully inserted and properly seated.

**CAUTION:** When handling a memory module, be careful not to touch any of the contacts. Doing so may damage the module.



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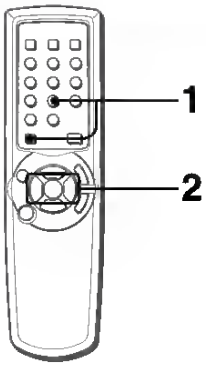
## REGLAGE DE LA MINUTERIE D'ARRET




L'appareil peut être mis hors tension automatiquement au bout d'un temps spécifié.

Utiliser la télécommande.

***1* Appuyer sur SLEEP tout en appuyant sur SHIFT.**

***2* <u>Dans les quatre secondes</u>, appuyer sur ◄◄ ou ►► pour spécifier le temps jusqu'à la mise hors tension.**

Le temps change entre 5 et 240 minutes par pas de 5 minutes.
On peut aussi utiliser **MULTI JOG** au lieu de ◄◄ et ►►.

Temps spécifié

Quand la minuterie est en marche, l'indication de l'affichage est plus sombre que d'habitude.

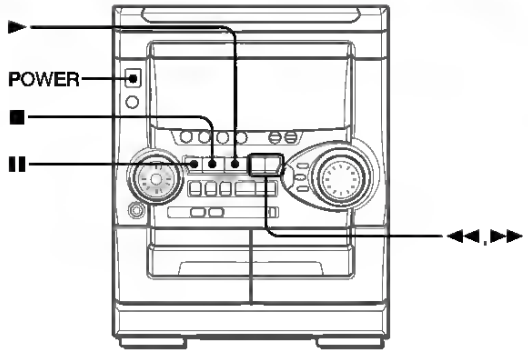
**Pour contrôler le temps restant jusqu'à la mise hors tension**

Appuyer une fois sur **SLEEP** tout en appuyant sur **SHIFT**. Le temps restant est affiché pendant quatre secondes.

**Pour annuler la minuterie d'arrêt**

Appuyer deux fois sur **SLEEP** tout en appuyant sur **SHIFT** de manière que "SLEEP oFF" apparaisse sur l'affichage.

## DEMO (Démonstration)




On peut profiter de deux sortes de modes DEMO sur cet appareil. L'une est une *démonstration*, l'autre est un *jeu*.
Dans le mode démonstration, un éclairage chatoyant apparaît sur l'affichage. Dans le mode jeu, on peut s'amuser.
**Pour passer d'un mode à l'autre**, appuyer sur **POWER** tout en appuyant sur ► quand l'alimentation est coupee.
**Pour activer la démonstration ou le jeu**, appuyer sur ► quand l'alimentation est coupée.
**Pour désactiver la démonstration ou le jeu**, appuyer sur **II**

**Utilisation du jeu demo**

1 Pour démarrer le jeu, appuyer sur ► quand l'alimentation est coupée.
Trois chiffres se déplacent sur l'affichage.
2 Appuyer une fois sur ■.
Le chiffre de gauche s'arrête.
3 Appuyer deux fois sur ■ pour arrêter les chiffres restants.

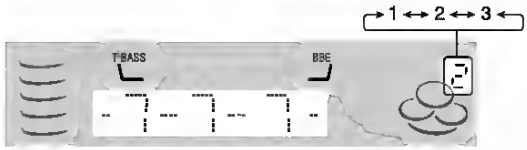
*Marque des points:*
On dispose de 20 points au démarrage du jeu.
<u>Si les trois chiffres sont égaux</u>, 50 points sont ajoutés au score.
<u>Si les chiffres ne sont pas égaux</u>, un point est soustrait.
Si le total des points atteint 9999, on a gagné.
Si le total des points tombe a 0, on a perdu

**Pour réinitiallser le jeu demo**

Appuyer sur **II**, puis appuyer sur ►. Le jeu redémarre.

**Pour changer la probabilité d'égalisation des trois chiffres**

Appuyer sur ◄◄ ou ►► à plusieurs reprises pour selectionner un des trois niveaux de probabilité lors de l'utilisation du jeu demo. L'indicateur de numéro de plateau affiché change entre 1 et 3. La probabilité d'égalisation augmente comme le numéro de plateau augmente de 1 à 3.




**REMARQUE**

- Pendant l'utilisation du jeu demo, **II**, ■, ◄◄, ►► et ► ne sont disponibles que pour ce jeu. Pour utiliser ces touches pour les fonctions telles que lecture de disque compact ou autre, mettre l'appareil sous tension.
- Pendant le jeu demo, certains indicateurs sans rapport avec l'utilisation en cours peuvent s'allumer sur l'affichage.



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6 Select the desired driver/application and follow the instructions on screen to re-install.

At first launch, Acer eRecovery prepares all the needed software and may take few seconds to bring up the software content window.

# Change password

Acer eRecovery and Acer disk-to-disk recovery are protected by a password that can be changed by the user. Follow the steps below to change the password in Acer eRecovery.

1 Boot to Windows XP.

2 Press **<Alt> + <F10>** to open the Acer eRecovery utility.

3 Enter the password to proceed. The default password is six zeros.

4 In the Acer eRecovery window, select **Recovery settings** and click **Next**.

5 In the Recovery settings window, select **Password: Change Acer eRecovery password** and click **Next**.

6 Follow the instructions on screen to complete the process.

**Note:** If the system crashes, and will not boot to Windows, you can run Acer disk-to-disk recovery to restore the factory default image under DOS mode.

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# Server Feature Board Components

Figure 4-3 and Table 4-3 show and describe the Server Feature Board components.

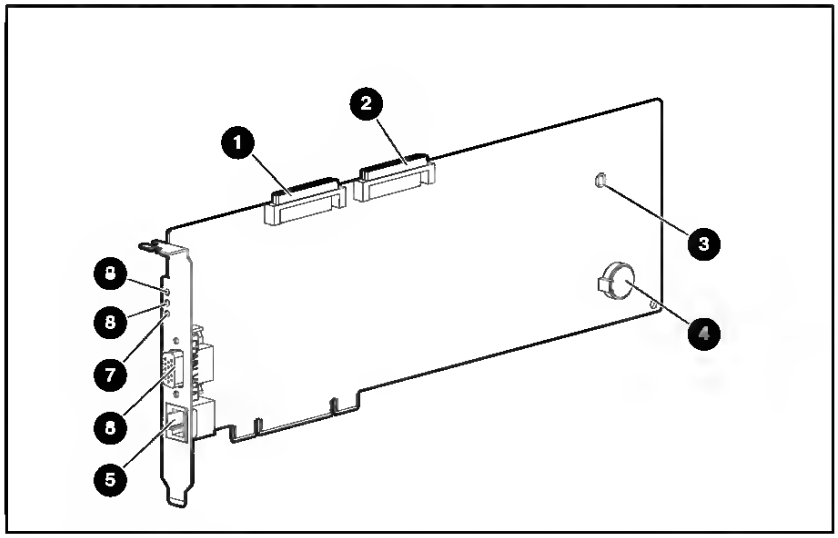


**Figure 4-3: Server Feature Board components**

**Table 4-3: Server Feature Board Components**

| Item | Description | Item | Description |
|---|---|---|---|
| 1 | SCSI controller channel B | 6 | Video connector |
| 2 | SCSI controller channel A | 7 | NIC speed LED |
| 3 | Nonmaskable interrupt (NMI) button | 8 | NIC link LED |
| 4 | Replaceable lithium battery (CR2032) | 9 | NIC activity LED |
| 5 | RJ-45 Ethernet connector | | |

1. Tap **Start** > **Settings** > **System** > **Microphone**.
2. Move the slider to adjust the microphone volume.
3. Tap **OK** to confirm and save.

# Configuring regional settings

You can adjust regional settings for number, currency, date and time formats to match those used in your country.

1. Tap **Start** > **Settings** > **System** > **Regional Settings**.
2. Tap the **Region, Number, Currency, Date** and **Time** tabs to view information for your region. Adjust any if necessary.
3. Tap **OK** to confirm and save.

# Power saving options

1. Tap **Start** > **Settings** > **System** > **Power** > **Advanced** tab.
2. Select the interval after which your smartphone will turn off if not in use. You can specify two intervals: one for when on battery power, and one for when on external power.

# Viewing power status

Tap **Start** > **Settings** > **System** > **Power** > **Battery** tab to view battery power status.

# Removing programs

You can remove programs you have installed on your smartphone to free up extra storage memory.

**Note:** You can only remove programs you have installed, you cannot remove programs installed during manufacture.

1. Tap **Start** > **Settings** > **System** > **Remove Programs**.
2. Tap the program you want to remove from the list.
3. Tap **Remove** and the program will be uninstalled.



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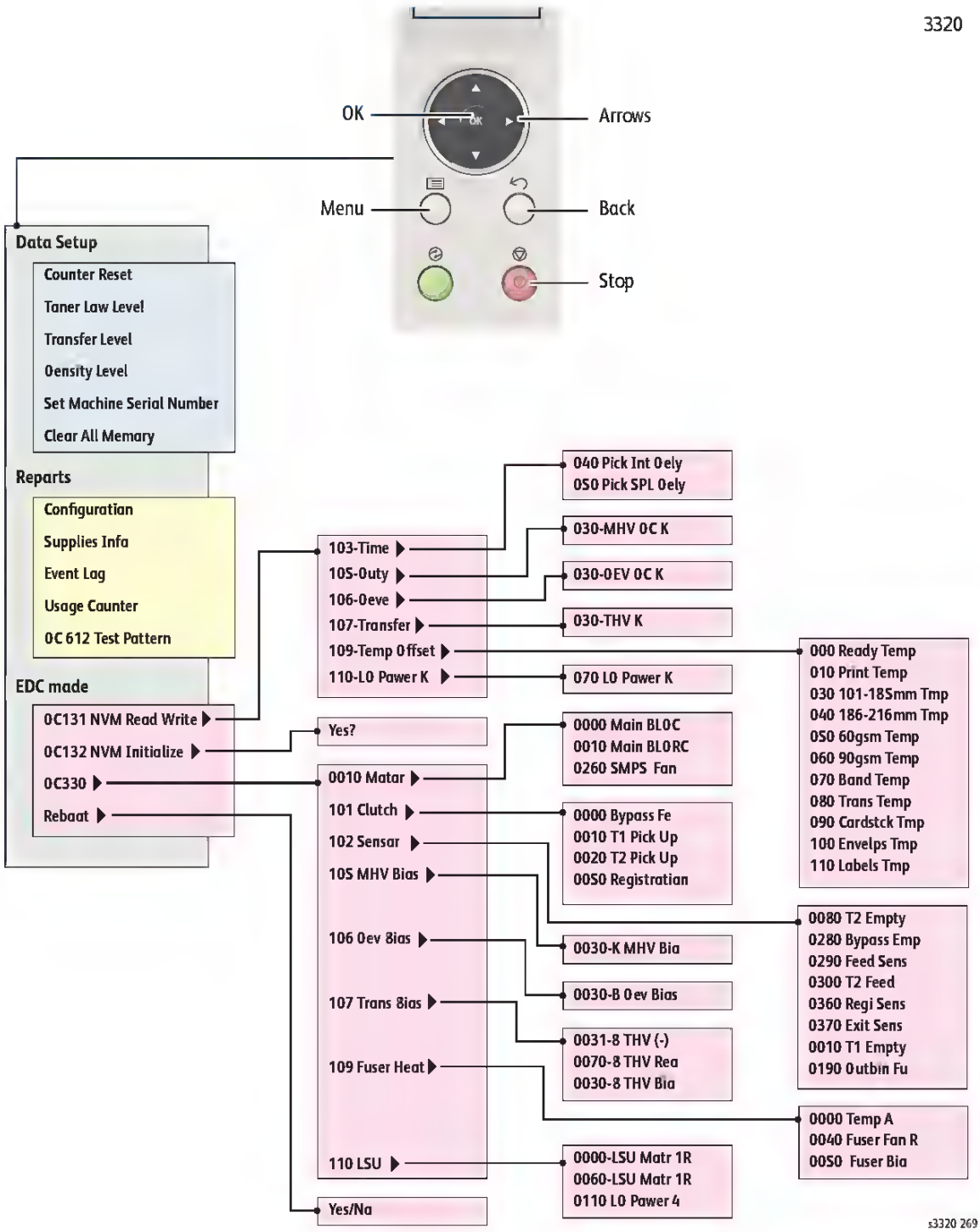
# Phaser 3320 Service Mode Menu Map



**POST Error Messages** *Continued*

| Error Code | Audible Beeps L=Long S=Short | Probable Source of Problem | Recommended Action |
|---|---|---|---|
| 301-Keyboard Error | None | Keyboard failure. | Turn off the computer, then reconnect the keyboard. |
| 301-Keyboard Error or Test Fixture Installed | None | Keyboard failure. | Replace the keyboard. |
| ZZ-301-Keyboard Error | None | Keyboard failure. (ZZ represents the Keyboard Scan Code.) | 1. A key is stuck. Try to free it.<br>2. Replace the keyboard. |
| 303-Keyboard Controller Error | None | System board, keyboard, or mouse controller failure. | 1. Run Diagnostics.<br>2. Replace failed assembly as indicated. |
| 304-Keyboard or System Unit Error | None | Keyboard, keyboard cable, or system board failure. | 1. Make sure the keyboard is attached.<br>2. Run Diagnostics to determine which is in error.<br>3. Replace the part indicated. |
| 40X-Parallel Port X Address Assignment Conflict | 2S | Both external and internal ports are assigned to parallel port X. | Run the System Configuration Utility and correct. |
| 402-Monochrome Adapter Failure | 1L, 2S | Monochrome display controller. | Replace the monochrome display controller. |
| 501-Display Adapter Failure | 1L, 2S | Video display controller. | Replace the video board. |
| 601-Diskette Controller Error | None | Diskette controller circuitry failure. | 1. Make sure the diskette drive cables are attached.<br>2. Replace the diskette drive and/or cable.<br>3. Replace the system board. |
| 605-Diskette Drive Type Error | 2S | Mismatch in drive type. | Run the System Configuration Utility to set diskette type correctly. |
| 702-A coprocessor has been detected that was not reported by CMOS | None | Installed coprocessor not configured. | Run the System Configuration Utility and correct. |

*Continued*



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# Connecting the Fiber Interface

Connection to the data switch network for data communications is by means of a dual optical fiber cable. The network LCS60 fiber connection must be to a CPM-HS module in a *Datakit* II VCS or BNS.

For network connection follow the steps below:



## Routing the Optical Fiber Cable

The optical fiber cable may be run in suspended ceilings, subfloor cable runs, and riser shafts up to 500 feet. Before routing the cable, connect rubber caps to each end of the cable to protect it from dirt and dust during installation.

**Note:** Tools and hardware used to install copper wire and cable in building duct and conduit systems are satisfactory for use in installing optical fiber cable (such as, fish wire, woven cable grips, or rope). If woven cable grips are used with fiber optic cables, tape them to the cable jacket before pulling the cable.

When routing the cable, keep it away from copper riser cables. If this is not possible, install an inner liner (conduit or innerduct) to keep the cables separated. EFT corrugated tubing (or equivalent) can be used; this tubing comes in short lengths and can be bent.

**Caution:** **Optical fiber cables are not intended for use in air-handling ceiling areas unless installed in approved conduit.**

When installing the cable, avoid tight pulls or tugs against sharp corners of framework. If cables are to be installed around sharp edges of cabinetry or framework, cover the edges with split tubing or similar material. Observe the *minimum bending radius* and *maximum pulling tension* specifications when routing the dual optical fiber cables. When lacing or securing the cable, use flat lacing twine or cable ties and do not tie the cable too tightly or microbending losses may occur. Bundles of cables should not hang or protrude into the work space. Wrap the cables in loops not less than 6 inches in diameter.

The optical fiber cable is not designed for conduit installation, but can be installed in conduit if:



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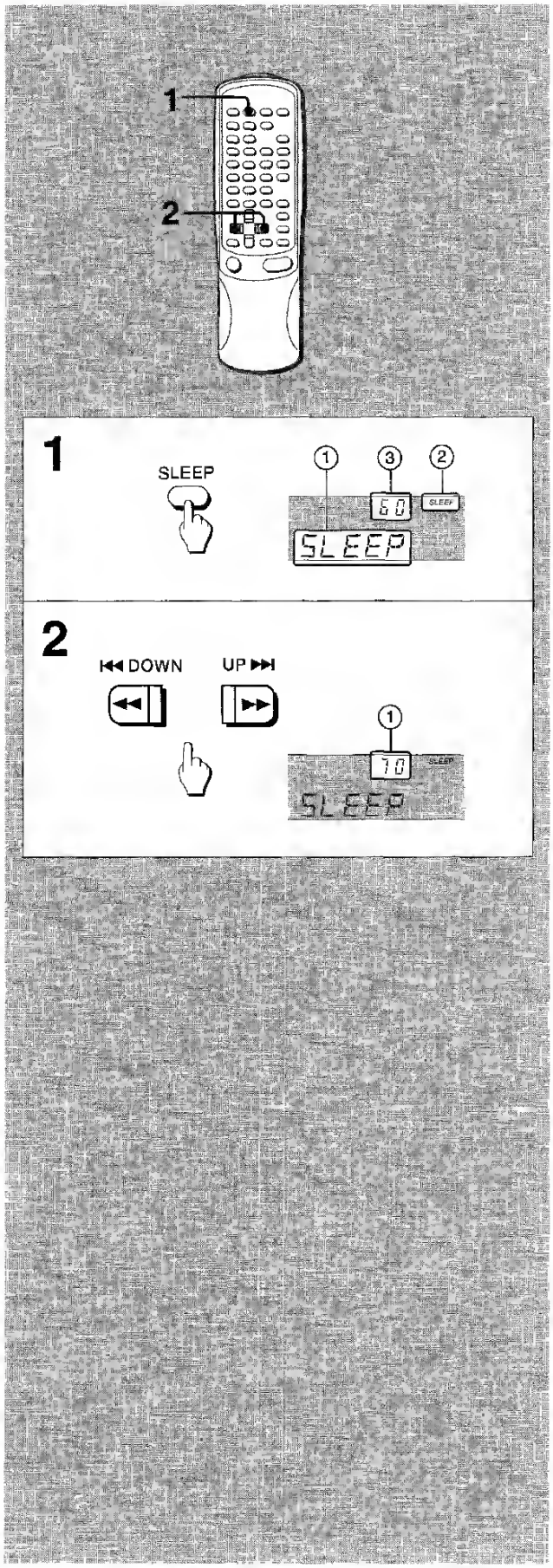


# SETTING THE SLEEP TIMER

The sleep timer automatically turns the unit off after the specified time passes.

**1 Press the SLEEP button.**

SLEEP ①, ② and 60 ③ are displayed.
SLEEP ① goes out in 4 seconds, and the sleep timer starts to work. The power is automatically turned off after 60 minutes. If you wish to change this time, go to step 2 before SLEEP ① goes out

**2 Press the ◄◄ DOWN or ►► UP button to specify the time until the power is turned off.**

Each time the button is pressed, the time changes between 10 and 240 minutes in 10-minute steps.
The specified time ① is displayed.

**To check the time remaining until the power is turned off**
Press the SLEEP button once. The remaining time is displayed for 4 seconds.

**To cancel the sleep timer mode**
Press the SLEEP button twice so that SLEEP in the display goes out.



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## Terminator Boards

To remove the terminator board:

1. Perform the preparation procedures. See "Preparation Procedures" earlier in this chapter.
2. Loosen the thumbscrew ❶ securing the terminator board to the system board.
3. Pull up, then swing open the ejector levers ❷ on both sides of the terminator board.
4. Lift the terminator board ❸ out of the system board slot.

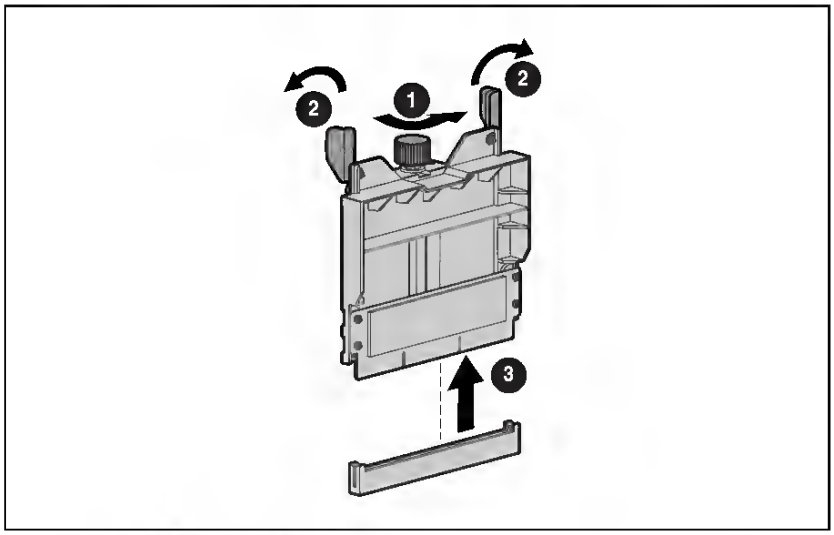


Figure 2-39. Removing the terminator board

Reverse steps 1 through 4 to replace the terminator board.

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**Table 3-2**
**POST Error Messages** *continued*

| Error Code | Audible Beeps | Probable Source of Problem | Action |
|---|---|---|---|
| 1773-Primary Fixed Disk Port Assignment Conflict | None | Hard drive error detected. | Run the BIOS Setup Utility and correct. |
| 1774-Slot *X* Drive Array – Obsolete data found in Array Accelerator. Select F1 to discard contents of Array Accelerator. Select F2 to write contents of Array Accelerator to drives. | None | SMART-2 Controller error detected. | Data found in array accelerator is older than data found on drives. Press **F1** to discard the older data in the array accelerator and retain the newer data on the drives. |
| 1775-Slot *X* Drive Array – ProLiant Storage System Not Responding SCSI Port *Y*: Check storage system power switch and cables. Turn the system power off while checking the ProLiant power and cable connections, then turn the system power back on to retry. | None | Storage system problem detected. | Power down the system. Check external ProLiant power switch—external drives must all be powered up before or at the same time as the main system. Check cables. If retry does not help, try replacing the cable, firmware, backplane, or the Smart Array Controller. |
| 1776-Slot *X* Drive Array – SCSI Bus Termination Error – Internal and external drives cannot both be attached to the same SCSI port.<br>SCSI port *Y*: Check cables<br>RESUME = F1 Key | None | External and internal connectors of the specified SCSI ports are both attached to drives. The indicated SCSI bus is disabled until this problem is resolved. | The SCSI bus is not properly terminated when internal and external drives are attached concurrently to the same SCSI bus.<br>1. Power down the server.<br>2. Verify cabling to the specified port.<br>3. Reconfigure drives as indicated. |

*continued*

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# Planning Cluster Configurations for Non-Redundant Fibre Channel Arbitrated Loops

This section describes sample configurations for midsize and larger clusters that use non-redundant Fibre Channel Arbitrated Loops (FC-ALs).

**IMPORTANT:** Use the Oracle documentation identified in the front matter of this guide to obtain detailed information about planning for the Oracle software. Once the required level of performance, the size of the database, and the type of database have been determined, use this Oracle documentation to continue the planning of the cluster's physical components.

## Sample Midsize Cluster with One Non-Redundant FC-AL

Figure 4-3 shows an example of a midsize PDC/O1000 cluster with one non-redundant FC-AL that contains four cluster nodes and three RA4000/RA4100 Arrays.

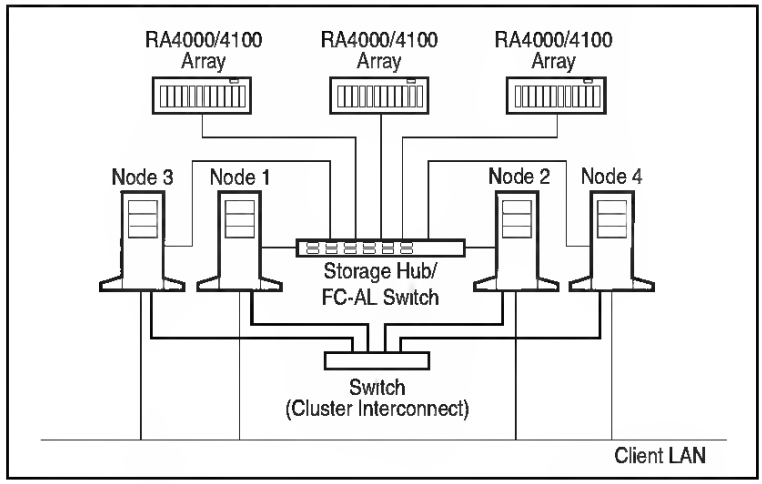


Figure 4-3. Midsize PDC/O1000 cluster with one non-redundant FC-AL

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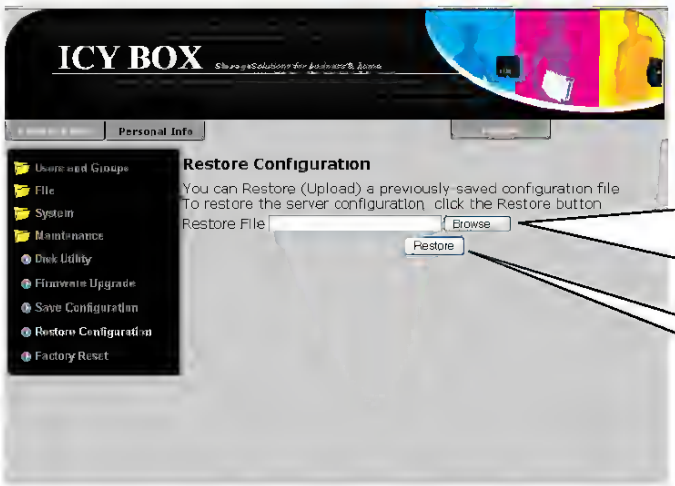
### Restore Configuration

You will find the form for restoring the configuration by selecting:

→ Control Panel
  ↳ Maintenance
    ↳ Restore Configuration




To restore all configuration, please click on the "Browse..." button. A dialogue is opened where you can select the configuration file.

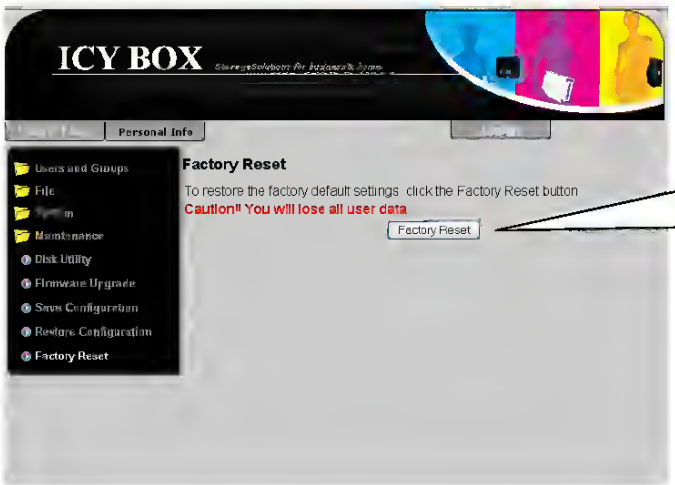
Click on the "Restore" button to start the restore process.

## *Resetting to factory settings*

To reset the IB-NAS4220-B to all default settings and factory presets you can find the referring form by selecting:

→ Control Panel
  ↳ Maintenance
    ↳ Factory Reset

**Attention:** A factory reset may destroy all data on the disk. Please backup all important data before you proceed resetting.




To reset to factory settings please click on the "Factory Reset" button. **Caution: You will loose all data!**



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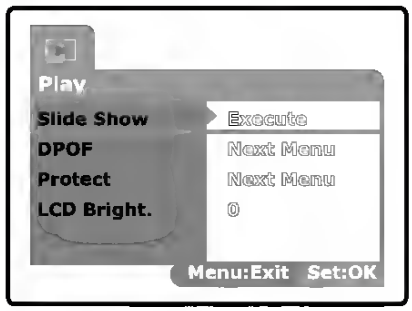
# Playback Menu

In the [ ▶ ] mode, set which settings are to be used for playback. The setting is not canceled even if the camera is turned off or the Auto Off function is activated.




1. Set the mode dial to [ ▶ ].
2. Press the **MENU** button.
   - The playback menu is displayed.
3. Select the desired option item with the ▲ / ▼ buttons, and press the **SET** button to enter its respective menu.
4. Select the desired setting with the ▲ / ▼ buttons, and press the **SET** button.
5. To exit from the playback menu, press the **MENU** button.

## Slide Show

Automatically plays back still images in order one image at a time.
Refer to section in this manual titled "**Slideshow Display**" for further details.

## DPOF

Set the number of prints and date display in DPOF format to images that you want to print. (This function is available for still images only.) You can print images easily just by inserting the SD card to a DPOF-compatible printer or a print shop.
Refer to section in this manual titled "**DPOF Settings**" for further details.

## Protect

Set the data to read-only to prevent images from being erased by mistake.
Refer to section in this manual titled "**Protecting Images**" for further details.

## LCD Bright.

Adjust the brightness of the LCD monitor. This function does not adjust the brightness of recorded images.
Refer to section in this manual titled "**LCD Bright.**" in **Photography Menu (Function)** for further details.



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# System Test (cont'd)

## Protection Points (Visual)

1. Using the operating panel's numeric keypad, enter a valid ID code to display Action Menu 1. Turn off those groups to be tested.
2. Press **More** to display Action Menu 2.
3. Press **Test** to display Test Menu 1.
4. Press **Sensor points** to display types of devices to be tested.
5. Press **Burglar** to display Burglary group descriptions.
6. Press **Previous** or **Next** to display the "Group description" to be tested.
7. Press **Group description** to begin display of the test instructions.
8. Press **More** 3 times to scroll through the test instructions.
9. Press **Start test** to begin the system test.
10. Activate those devices to be tested. One history event will be logged for each sensor.
11. When the test is complete, return to the operating panel and re-enter your ID code to display Action Menu 1.
12. Press **Reset** to display the reset options.
13. Press **Tests** to exit the test mode and to return the system to normal operation.
14. Press **Continue** to display Action Menu 1.
15. Press **More** twice to display Action Menu 3.
16. Press **History** to display the history menu and test results.



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- Οι θύρες πρόσβασης PCI Hot Plug παρέχουν πρόσβαση σε επικίνδυνα κυκλώματα ενέργειας.
  - Οι θύρες πρέπει να παραμένουν κλειδωμένες στη διάρκεια της κανονικής λειτουργίας
    -ή-
  - Ο server πρέπει να είναι εγκατεστημένος σε χώρο ελεγχόμενης πρόσβασης όπου μόνο εξουσιοδοτημένο προσωπικό έχει πρόσβαση σε αυτόν.
- Κλείστε τον εξοπλισμό και αποσυνδέστε όλα τα καλώδια εναλλασσόμενου ρεύματος πριν αφαιρέσετε κάποιο κάλυμμα πρόσβασης για μη ενεργές περιοχές.
- Μην αντικαταστήσετε μη ρευματοδοτούμενα εξαρτήματα ενώ το προϊόν είναι συνδεδεμένο στο ρεύμα. Κλείστε πρώτα τη συσκευή και αποσυνδέστε όλα τα καλώδια τροφοδοσίας AC.
- Μην υπερβείτε το επίπεδο επισκευών που αναφέρεται στις διαδικασίες που περιγράφονται στην τεκμηρίωση του προϊόντος. Όλες οι διαδικασίες αντιμετώπισης προβλημάτων και επισκευής αναλύονται ώστε οι επισκευές να περιορίζονται σε επίπεδο υποσυναρμολόγησης ή σε επίπεδο υπομονάδας. Λόγω της συνθετότητας των διαφόρων καρτών και υποσυναρμολογημάτων, μην επιχειρήσετε να κάνετε επισκευές σε επίπεδο εξαρτημάτων ή να τροποποιήσετε κάποιο τυπωμένο κύκλωμα. Οι μη κατάλληλες επισκευές ενδέχεται να δημιουργήσουν συνθήκες επικίνδυνες για την ασφάλειά σας.
- Για προϊόντα που τοποθετούνται στο δάπεδο, εγκαταστήστε και αναπτύξτε τις βάσεις στήριξης των προϊόντων, πριν εγκαταστήσετε πρόσθετα προϊόντα και κάρτες.
- Βεβαιωθείτε ότι το ηλεκτρικό κύκλωμα διανομής τροφοδοσίας AC που τροφοδοτεί με ρεύμα το πλαίσιο στήριξης δεν έχει υπερφορτωθεί. Με αυτόν τον τρόπο ελαττώνεται ο κίνδυνος τραυματισμού, φωτιάς ή ζημιάς στον εξοπλισμό.
  Το συνολικό φορτίο στο πλαίσιο δεν πρέπει να υπερβαίνει το 80 τοις εκατό του ονομαστικού φορτίου του κυκλώματος διανομής. Συμβουλευτείτε την τοπική αρχή που είναι αρμόδια για τις καλωδιώσεις στις εγκαταστάσεις σας και τις απαιτήσεις εγκατάστασης.

## Προφυλάξεις για Προϊόντα Τροφοδοσίας

### Καλώδια Τροφοδοσίας

Για να ελαττώσετε τον κίνδυνο ηλεκτροπληξίας ή ζημιάς στον εξοπλισμό:

- Χρησιμοποιήστε ένα εγκεκριμένο καλώδιο τροφοδοσίας.
- Αν δεν σας έχει δοθεί ένα καλώδιο τροφοδοσίας για τον υπολογιστή σας ή για οποιοδήποτε πρόσθετο εξάρτημα με τροφοδοσία AC που προορίζεται για το προϊόν σας, πρέπει να προμηθευτείτε κάποιο καλώδιο τροφοδοσίας εγκεκριμένο για χρήση στη χώρα σας.
- Πρέπει να χρησιμοποιήσετε ένα καλώδιο τροφοδοσίας που να έχει τα ίδια χαρακτηριστικά με το προϊόν σας και να είναι κατάλληλο για την τάση και το ρεύμα που αναγράφονται στην ετικέτα με τα ονομαστικά ηλεκτρικά μεγέθη του προϊόντος. Τα ονομαστικά μεγέθη τάσης και ρεύματος του καλωδίου πρέπει να είναι μεγαλύτερα από τα αντίστοιχα μεγέθη που αναγράφονται στο προϊόν.
- Αν έχετε ερωτήσεις σχετικά με τον τύπο του καλωδίου τροφοδοσίας που πρέπει να χρησιμοποιήσετε, επικοινωνήστε με την εξουσιοδοτημένη εταιρεία παροχής υπηρεσιών της HP.
- Μην τοποθετείτε αντικείμενα επάνω σε καλώδια τροφοδοσίας εναλλασσόμενου ρεύματος ή σε άλλα καλώδια. Διαλέξτε μια κατάλληλη θέση για τα καλώδια ώστε να μην είναι σε σημείο που μπορεί κάποιος κατά λάθος να τα πατήσει ή να σκοντάψει σε αυτά.
- Μην τραβάτε τα καλώδια τροφοδοσίας ή άλλα καλώδια. Όταν τα αποσυνδέετε από την παροχή ρεύματος, πιάστε το καλώδιο από τον ακροδέκτη του.
- Βεβαιωθείτε ότι το συνολικό ονομαστικό ρεύμα όλων των συσκευών που είναι συνδεδεμένες στο καλώδιο προέκτασης και την πρίζα δεν υπερβαίνει το 80% του ορίου του ονομαστικού ρεύματος του καλωδίου προέκτασης ή της πρίζας.
- Μην καταργήσετε τον ακροδέκτη γείωσης του καλωδίου τροφοδοσίας.
  Ο ακροδέκτης γείωσης είναι ένα σημαντικό μέτρο ασφάλειας.
- Συνδέστε το καλώδιο τροφοδοσίας σε μια γειωμένη πρίζα που πρέπει ανά πάσα στιγμή να είναι εύκολα προσπελάσιμη από το χειριστή.

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If the server blade does not start:

1. Be sure that the server blade is fully seated in the enclosure.
2. Be sure that power is applied to the blade:
   a. Check the status using the system power LED. For the location and explanation of the system power LED, refer to the "Server Blade Front Panel" section in Appendix E, "LEDs and Switches."
   b. Check the server blade management modules and power management modules for proper cabling and power configuration switch settings.
   c. The server blade is configured to power up upon insertion. However, if you changed that setting, be sure that the Power On/Standby button was pressed firmly.
3. If the system does not complete POST or start loading an operating system:
   a. Use the iLO remote console or the iLO system status page to identify POST messages. Refer to the *Compaq Integrated Lights-Out User Guide.*
   b. Refer to the section on loose connections in the *Compaq Servers Troubleshooting Guide.*
4. Ensure the server blade is not rebooting repeatedly:
   a. Be sure that the system is not rebooting due to a problem that initiates an ASR-2 reboot.

      ASR-2 is defaulted to restart the server blade automatically, loading the operating system. If a critical error occurs, ASR-2 logs the error in the IML and restarts the server blade.

      For more information, refer to the *Compaq Servers Troubleshooting Guide.*
   b. Use the iLO remote console to identify a possible thermal event.
5. Restart the server blade. If the server blade does not restart, proceed to the "Server Blade Diagnostic Steps" section in this appendix.

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# Test Compatible Components

Test Compatible Components . . . . . .7-2

Android OS Environment Test . . . . . 7-2

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5. Snap the replacement battery into the battery connector on the peripheral board as shown in Figure 2-49.

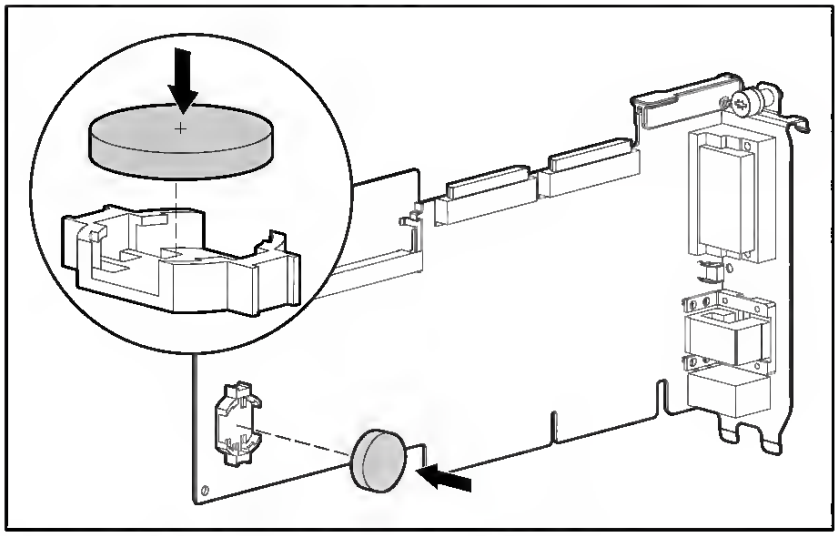

Figure 2-49. Installing the replacement battery on the peripheral board

**CAUTION:** Loss of BIOS settings occurs when the flat disk battery is removed. BIOS settings must be reconfigured whenever the battery is replaced.

6. Run the System Configuration Utility to reconfigure the system. See Chapter 3, "Diagnostics and Troubleshooting" for more information.

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## 3.4 Controller Shelf Status LEDs

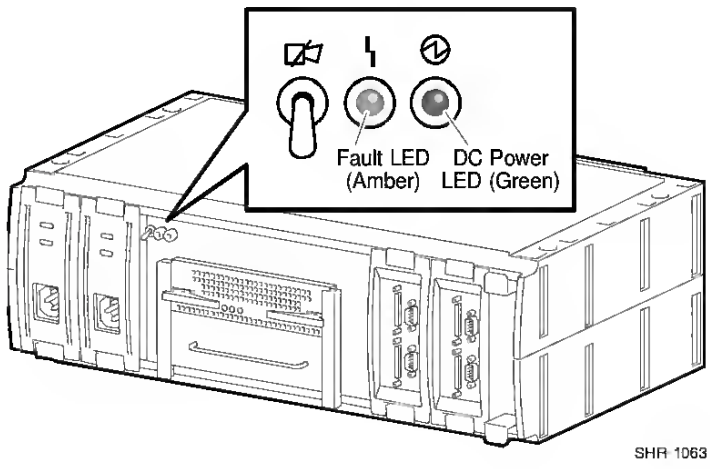
The Controller Shelf is equipped with two front-panel LEDs (see Figure 3–14) that monitor the following error conditions:

- A shelf blower that is not operating
- An over-temperature condition
- A dc power problem
- External fault conditions
- Controller faults

When the shelf is operating properly, the green *power* LED is on and the amber shelf *fault* LED is off. If a dc power problem develops, the power LED goes out indicating a malfunction.

The amber shelf status LED is normally off. If an error condition occurs, the LED comes on and an audible alarm sounds notifying the operator that an error condition exists. Once the user has been notified and is aware of an error, the alarm disable toggle switch enables the operator to disable the audible alarm by using the switch.

**Figure 3–14 Shelf Status LEDs**



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# Installing the Cache Accelerator

The cache accelerator is an option is *required* for five or more processors. The cache accelerator option should not be used for less than five processors. The following paragraphs provide guidelines on determining which configuration is best for your system.

ProLiant 8500 servers have two processor buses. In the following figure, processor sockets ❶ through ❹ are on processor bus 1. Socket ⓫ is for Cache Accelerator 1. Processor sockets ❺ through ❽ are on processor bus 2 with socket ⓬ for Cache Accelerator 2.

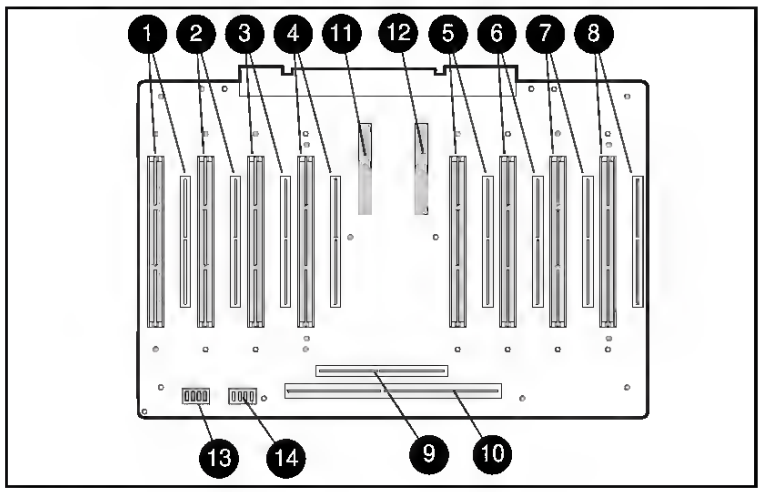


Figure 4-11. Processor board layout

Processors should be added to fill bus 1 before adding processors to bus 2. If processors occupy slots of both processor buses, then the Cache Accelerators for both buses must be installed for proper operation.

To install the cache accelerator in the Processor and Memory module, refer to one of the following installation sources:

- For a text and illustrated procedure, refer to the documentation provided with the option kit.
- For an overview of the installation, see the procedure below.

1. If the server is on, place it in Standby and disconnect the power cord(s). See Chapter 2, "Server Installation."
2. Remove the Processor and Memory module. See Chapter 3, "Server Operation."

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2. Slide back the locking lever on the PCI Hot Plug access door ❷.
3. Open the PCI Hot Plug access doors ❸.

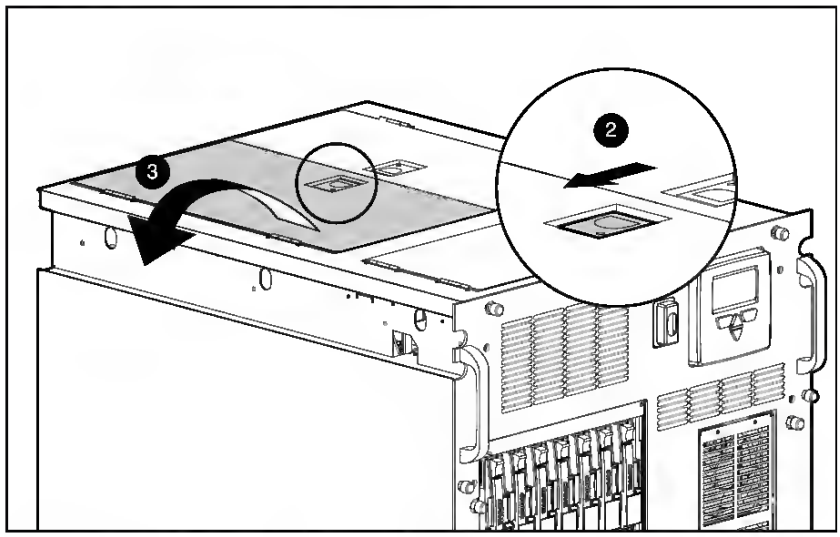


Figure 2-55. Opening the PCI Hot Plug access doors

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9. If you have a backup of your DOS partition, use it to recreate the previous image. Otherwise, use your NetWare/intraNetWare server diskettes and copy the following files to a NetWare/intraNetWare directory on your DOS partition:

   *SERVER.EXE*
   *INSTALL.NLM*
   *VREPAIR.NLM*
   *MONITOR.NLM*
   *CLIB.NLM*
   *STREAMS.NLM*

10. Copy the required disk drivers, LAN drivers, and utility NLMs that should reside on the DOS partition from the Novell SSD.

11. Copy any other necessary information to the DOS partition and then reboot your system. You are now ready to start your NetWare/intraNetWare server. You may need to recreate your *STARTUP.NCF* file.

### Recovering Drives Configured for Hardware Fault Tolerance

If you configure your SMART-2DH Array Controller with hardware fault tolerance, complete the following steps after a disk drive failure.

1. Determine which physical drive failed. On hot-pluggable drives in a ProLiant server or storage system this is done by observing the amber Drive Failure LED on each drive tray.

2. If the unit containing the failed drive does not support hot-pluggable drives, perform a normal system shutdown.

3. Remove the failed drive and replace it with a drive that is of the same capacity. For hot-pluggable drives, after you secure the drive in the bay, the LEDs on the drive will all light once in an alternating pattern to indicate that the connection was successful. The Online LED will blink indicating that the controller has recognized the drive replacement and begun the recovery process.

4. Power on the server, if applicable.

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# BIOS utility

The BIOS utility is a hardware configuration program built into your computer's Basic Input/Output System (BIOS). Since most computers are already properly configured and optimized, there is no need to run this utility. However, if you encounter configuration problems and get the "Run Setup" message, you will need to run this utility.

**Note:** Before you run BIOS, make sure that you have saved all open files. The computer reboots immediately after you exit Setup.

To run the BIOS utility, press the key combination **Ctrl+Alt+Esc**. For information about BIOS and how to configure your computer, refer to the Veriton 7200 series online guide (see "Accessing the online guide"on page 6).

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## Cabling ATA Devices

The following steps detail the procedure for connecting cables from an integrated ATA/100 controller to an internal ATA hard drive or other device:

1. Install the device. Refer to "Installing a Hard Drive" or "Installing a Device into a Removable Media Bay," in Chapter 3, "Hardware Options Installation," for instructions.
2. Make sure that the jumper on the drive is set to Cable Select (CS).
3. Install the next available cable connector to the hard drive or ATA device. Figure 4-9 and Table 4-4 show the cabling configuration when four ATA hard drives are installed. If fewer than four drives are installed, then follow these cabling steps accordingly.

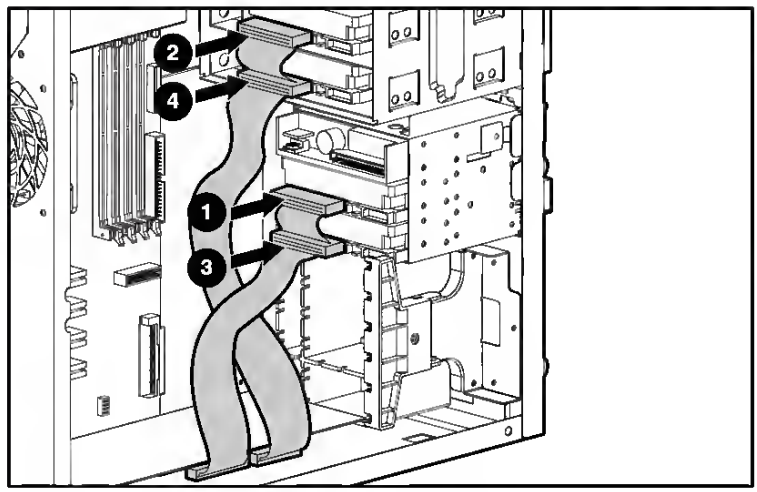


Figure 4-9. Cabling an ATA hard drive or other device

**Table 4-4**
**ATA Cabling Sequence**

| Step | Channel/Cable | Cable Connector | Drive Location |
|---|---|---|---|
| ❶ | Primary | Device 0 | Hard drive bay 2 |
| ❷ | Secondary | Device 0 | Media bay 3 |
| ❸ | Primary | Device 1 | Hard drive bay 3 |
| ❹ | Secondary | Device 1 | Media bay 4 |

**Note:** Refer to Chapter 1, "Server Features," for drive bay locations.

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```
*** This step allows the LCS60 Administrator to enter the software key for this
*** LCS60 in order to activate the appropriate software features.

                    SOFTWARE KEY CONFIGURATION PARAMETERS

    1. Display LCS60 Machine ID
    2. Enter Software Certificate and Software Key
    3. Display Software Certificate and Software Key

    Enter Menu Selection
    [ Type q to QUIT or ? for HELP ]
    ==> 1

                  +--------------------------+
                  |                          |
                  |   LCS60 ID:  XXXXXXXX    |
                  |                          |
                  +--------------------------+

                    SOFTWARE KEY CONFIGURATION PARAMETERS

    1. Display LCS60 Machine ID
    2. Enter Software Certificate and Software Key
    3. Display Software Certificate and Software Key

    Enter Menu Selection
    [ Type q to quit or ? for help ]
    ==> 2
```



In order to complete the software key configuration, you must:

- Display the LCS60 machine ID as shown above and enter this number on your *LCS60 Network Interface for Ethernet Software Certificate*
- Call 1-800-WE2CARE for the software key; you will need to supply the information requested on your *LCS60 Network Interface for Ethernet Software Certificate.*

**Note:** If you do not receive the software key immediately (for example, if you call the 800 number after hours), you may enter a **q** on the screen above to continue with configuration. You can enter the software key using the **lcsadm config softwarekey** command at any time, however, you *must* enter the software key before you can successfully activate the services you configure. (Refer to Chapter 8 for the **softwarekey** command.)



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# NTI CD-Maker 2000

The NTI CD-Maker 2000 is a CD-Recording software which allows you to create and copy audio, data and videos to CD-R/W discs.

The basic features of the CD-Maker 2000 are as follows:

1. **Easy Step Interface** - to create and write the CD, simply drag-and-drop desired files from the Windows Explorer panel into the layout area.
2. **CD Copy** - to make exact duplicates of a CD, copy the source disc to a hard disk, or copy directly from CD to CD on-the-fly.
3. **Audio CD** - to record CD-DA, WAV & MP3 files to the CD, convert MP3 files to WAV or CD-DA tracks during recording, and play (preview) audio tracks using the installed media player.
4. **Data CD** - supports multiple file system (i.e., Joliet, MS-DOS, ISO-9660 and Romeo) naming conventions, CD-ROM and CD-ROM XA formats, automatically senses any sessions recorded on a disc and allows you to create a bootable CD.
5. **Mixed-Mode CD** - to record in Mixed-Mode CD format: data session, followed by audio session.
6. **CD Extra** - to record in CD Extra format: audio session, followed by data session.

## Manual Installation Instruction

1. Insert the **Acer System Resource CD** and wait for the Acer Resource window to appear.
2. From the Menu select **Application**.
3. When the Software List Window appears, double-click on **NTI CD-Maker**.
4. Follow the onscreen prompts to complete the NTI CD-Maker installation.

For more information about how to use the NTI CD-Maker 2000, you may refer to the NTI CD-Maker 2000 Help menu.

Acer Incorporated

Date: August 14, 2009

## Declaration of Conformity

We, Acer Incorporated,
of 8F., No. 88, Sec. 1, Hsin Tai Wu Rd. Hsichih Taipei Hsien 221, Taiwan
Declare under sole responsibility that tbe product:

Model: E200
Description: Smart HandHeld

To which this declaration relates, is in conformity with the following standards and/or other normative documents:

- EN 301 511 V9.0.2
- EN 300 328 V1.7.1
- EN 301 908-1/ -2 V3.2.1
- EN 300 440-1 V1.4.1/ EN300 440-2 V1.2.1
- EN 301 489-1 V1.8.1/ -3 V1.4.1/ -7 V1.3.1/ -17 V1.3.2/ -24 V.1.4.1
- EN 55022:2006+ A1:2007 Class B; EN 55024:1998/A1:2001/A2:2003
- EN 60950-1:2006
- EN 50332-1:2000/ -2: 2003
- EN 50360:2001/ EN 62209-1:2006/ EN62311:2008/ OET65C

We hereby declare that the above named product is in conformance with all the essential requirements of the R&TTE Directive (99/5/EC) issued by the Commission of the European Community.
The conformity assessment procedure referred to in Article 10 and detailed in Annex [IV] of directive 1999/5/EC has been followed related to Articles

- R&TTE Article 3.1 (a) Health and Safety
- R&TTE Article 3.1 (b) EMC
- R&TTE Article 3.2 Spectrum Usage

with the involvement of the following Notified Body:
**CETECOM, Untertuerkheimer Str. 6 – 10 66117 Saarbruecken**
Identification mark: **0682** (Notified Body) **CE**
The technical documentation relevant to the above equipment will be held at:

Acer Incorporated
8F., No. 88, Sec. 1, Hsin Tai Wu Rd. Hsichih Taipei Hsien 221, Taiwan
Authorized Person:

Name: Harriot Lee

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**Table 3-2**
**POST Error Messages** *continued*

| Error Code | Audible Beeps | Probable Source of Problem | Recommended Action |
|---|---|---|---|
| 180-Log Reinitialized | None | The Integrated Management Log has been reinitialized, probably due to corruption of the log. | Event message, no action needed. |
| 201-Memory Error | None | RAM failure detected | Run Diagnostics. Replace failed assembly as indicated. |
| 202-Memory Type Mismatch | 2 short | An incompatible memory module is installed in the system. | Compare Compaq part numbers from installed memory modules with the manual.<br>If not listed, the memory modules are incompatible and should be replaced or removed. |
| 203-Memory Address Error | None | RAM failure detected | Run Diagnostics. Replace failed assembly as indicated. |
| 207-ECC Corrected Single Bits Errors in DIMM in Memory Module Socket | 2 short | A memory module is malfunctioning. | Run Compaq Diagnostics. Replace or remove malfunctioning memory module as indicated. |
| 207-Invalid Memory Configuration - Check DIMM Installation | None | Memory module installed incorrectly | Verify placement of memory modules. |
| 208-Invalid Memory Speed - Check DIMM Installation | 1 long, 1 short | The speed of the memory is not compatible. | Verify the speed of the memory modules installed, then check your server user documentation and replace as indicated. |
| 209-Memory Detection Failure - Check Memory Installation | 1 long, 1 short | Unable to size memory | Check memory module installation. If error persists, call Compaq authorized service provider. |
| 211 Invalid Voltage Regulator Module installed for Processor X | None | Non-redundant Processor Power Module (PPM) installed in indicated processor slot. | Replace with a PPM that supports redundancy. |
| 212-System Processor Failed/ Mapped out | 1 short | Processor in slot X failed | Run Compaq Diagnostics and replace failed processor. |
| 214-Processor PPM Failed Module X | None | Indicated Processor Power Module (PPM) failed. | Replace failed PPM assembly as indicated. |
| 215-Non-functioning Voltage Regulator Module for Processors | None | Indicated Processor Power Module PPM (DC-DC Converter) has failed or lost redundancy. | Run Compaq Diagnostics. Replace failed assembly if necessary |

*continued*

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# hplpcfg

## Synopsis

```
hplpcfg
```

## Description

The `hplpcfg` utility enables or disables the EFI or BIOS boot setting on Emulex 2 GB or 4 GB Fibre Channel Host Bus Adapters (FC HBA).

## Options

**Table 5-14 hplpcfg Options**

| Option | Description |
|---|---|
| `/se filename` | Saves the HBA configuration to *`filename`* |
| `/le filename` | Loads the HBA configuration from *`filename`* |

## Format

The configuration file for the EFI boot setting has the following format.

| Formot | Description |
|---|---|
| `[HBA0]` | Section for each HBA |
| `WWID=11223344` | Read-only variable |
| `HostAdapterBiosEnable=1` | Input or current value when read from HBA |
| `SelectBootEnable=1` | Input or current value when read from HBA |
| `BootDeviceWWID=22334455` | Input or current value when read from HBA |
| `BootDeviceLUN[0]=1111` | Input (default LUN) or current value when read from HBA |

The text file can be edited to insert the WWID of the boot volume and the LUN number that the HBA will boot from. The utility discovers the WWID of the HBA and writes the information to the text file. The text file presents the options in human readable format. The utility updates the hardware with the boot volume WWID and boot LUN read from the text file.

## Example

```
SSTK-v.2.7# ./hplpcfg /se h.ini
SSTK-v.2.7# cat h.ini
[HBA0]
WWID=10000000c94ab9de
HostAdapterBiosEnable=1
SelectBootEnable=1
BootDeviceWWID=50060e801439c901
BootDeviceLUN[0]=1
```

- The Bcache interface includes a 128-bit bidirectional data bus, a 20-bit unidirectional address bus, and several control signals.
  - The **BcDataOutClk_*x*[3:0]** clocks are free-running and are derived from the internal GCLK. The period of **BcDataOutClk_*x*[3:0]** is a programmable multiple of GCLK**.**
  - The Bcache turns the **BcDataOutClk_*x*[3:0]** clocks around and returns them to the 21264/EV68A as **BcDataInClk_H[7:0]**. Likewise, **BcTagOutClk_*x*** returns as **BcTagInClk_H**.
  - The Bcache interface supports a 64-byte block size.
- The system interface includes a 64-bit bidirectional data bus, two 15-bit unidirectional address buses, and several control signals.
  - The **SysAddOutClk_L** clock is free-running and is derived from the internal GCLK. The period of **SysAddOutClk_L** is a programmable multiple of GCLK**.**
  - The **SysAddInClk_L** clock is a turned-around copy of **SysAddOutClk_L**.

Figure 4–1 shows a simplified view of the external interface. The function and purpose of each signal is described in Chapter 3.



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- Des dommages survenus lors de la transportation de ce produit à la Société ou à un centre d'entretien
- Elimination des parasites de voiture ou le bruit du moteur
- Des defauts dans des parties cosmetiques, decoratives ou structurelles non-operatives
- Rectification des problemes d'antenne
- Le coût de l'installation, de l'enlèvement ou de la reinstallation du produit
- Dommages indirects aux disques compacts, des engins USB, des cartes de media digitales, des accessoires ou le système électrique du vehicule
- Des degâts survenus à cause de la manipulation mauvaise, l'installation incorrecte, mauvaise utilisation, negligence, des accidents, des fusibles sautes, fuite de la pile, du vol et du stockage incorrect
- Produits soumis à l'enlevement ou la degradation du numero de serie d'usine/etiquettes de code à barres ou des marquages
- Des degâts survenus a cause de la moisissure, l'humidité, des temperatures excessives, des conditions environnementales extrêmes ou des causes naturelles externes

**Veuillez revoir la section Soin et Entretien de votre Guide d'Opération, pour avoir des informations supplémentaires quant à la bonne utilisation de votre produit.**

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- Si le produit est envoyé pour un service de garantie vous devez payer les frais de transportation de depart La Société payera la transportation de retour pour tout produit sous garantie si le produit est retourné à une adresse situee aux Etats-Unis, Puerto Rico ou Canada
- Assurez-vous que le produit soit bien emballe pour éviter des accidents pendant la transportation Nous recommandons un transporteur qui fourni un service de dépistage pour éviter la perte des paquets Des paquets perdus ou endommagés ne sont pas couverts par cette garantie
- Fournissez une description detaillee des problemes que vous voulez faire resoudre par le service de garantie

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```
        <Raid>5</Raid>
        <Size>52478</Size>
        <Sectors>32</Sectors>
        <StripeSize>64</StripeSize>
        <ArrayAccelerator>Enabled</ArrayAccelerator>
      </LogicalDrive>
    </Array>
  </Controller>
  </Config.document>
```

## XML input

XML input follows the same format as the document for XML output (on page 90). Use the same parameter order as the standard input format.

The following example shows a simple input script in both standard and XML formats.

| Standard format | XML format |
|---|---|
| Action= Configure<br>Method= Custom<br><br>Controller= Slot 1<br><br>Array=A<br>Drive= 1I:4:8, 1I:4:7<br><br>LogicalDrive= 1<br>RAID= 0<br>Size= 100000 | <?xml version="1.0"?><br><Config.document><br><Action>Configure</Action><br><Method>Custom</Method><br><br><Controller ID="Slot 1"><br><Array ID="A"><br><Drive>1I:4:8, 1I:4:7</Drive><br><LogicalDrive ID="1"><br><Raid>0</Raid><br><Size>100000</Size><br></LogicalDrive><br></Array><br></Controller><br></Config.document> |

## XML input file DTD

The following DTD outlines the parameters for an ACU scripting XML input file.

```
<!DOCTYPE Config.document [
<!ELEMENT Config.document ( Action, Method, Controller+ ) >
<!ELEMENT Action ( Configure | Reconfigure ) >
<!ELEMENT Method ( Auto | Custom ) >

<!ELEMENT Controller,  Array ) ChassisName? |
ClearConfigurationWithDataLoss | DPOEnable? | DriveWriteCache? |
ElevatorSortEnable? | ExpandPriority? | IRPEnable? | Initiator? |
LicenseKey? | MNPDelay? | PreferredPathMode? | QueueDepth? | ReadCache? |
RebuildPriority? | SurfaceScanDelay? | WriteCache? ) >
   <!ATTLIST Controller ID PCDATA #REQUIRED >
   <!ELEMENT ClearConfigurationWithDataLoss ( YES | NO ) NO >
   <!ELEMENT DPOEnable ( YES | NO ) >
   <!ELEMENT DriveWriteCache ( ENABLE | DISABLE ) >
   <!ELEMENT ElevatorSortEnable ( YES | NO ) >
```



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# Suspension

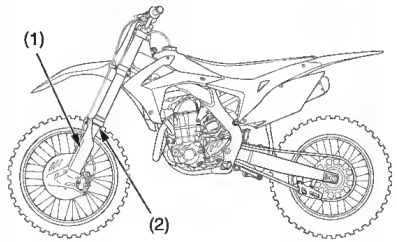
Refer to *Important Safety Precautions* on page 23.

Loose, worn, or damaged suspension components may adversely affect the handling and stability of your CRF. If any suspension components appear worn or damaged, see your dealer for further inspection. Your dealer is qualified to determine whether or not replacement parts or repairs are needed.

## Front Suspension Inspection

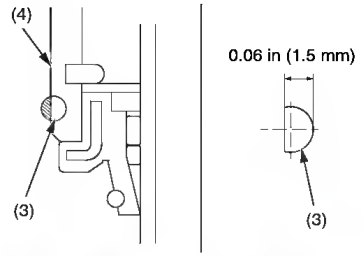
- When your CRF is new, break it in for approximately 1 hour to ensure that the suspension has worked in (page 19).
- After break-in, test run your CRF with the front suspension at the standard setting before attempting any adjustments.
- For optimum fork performance, we recommend that you disassemble and clean the fork after riding your CRF for 3 hours. See page 114 for fork disassembly.
- Adjust the PSF air pressure each race or 2.5 hours of running. See page 113 for PSF air pressure adjustment.
- Replace the fork oil every 3 races or 7.5 hours of running. See page 88 for oil capacity adjustment after changing the fork oil.
- Replace the damper oil every 9 races or 22.5 hours of running. See page 118 for damper fork oil replacement.
- Use KHL15-11(KYB) which contains special additives to assure maximum performance of your CRF's front suspension.
- Periodically check and clean all front suspension parts to assure top performance. Check the dust seals for dust, dirt, and foreign materials. Check the oil for any contamination.
- Refer to *Suspension Adjustment Guidelines* (page 132). Make all rebound and compression damping adjustments in one-click increments. (Adjusting two or more clicks at a time may cause you to pass over the best adjustment.) Test ride after each adjustment.
- If you become confused about adjustment settings, return to the standard position and start over.
- If the fork is still too stiff/soft after adjusting compression damping, determine which portion of the travel is still too stiff/soft. This is an important step that will help you solve suspension problems.

1. Make sure that the fork protectors (1) and dust seals (2) are clean and not packed with mud and dirt.
2. Check for signs of oil leakage. Damaged or leaking fork seals should be replaced before your CRF is ridden.

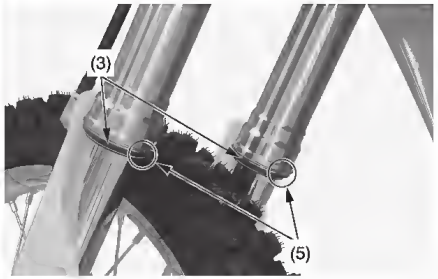



(1) fork protectors (2) dust seals

3. Inspect the wear rings (3) for wear or damage. Replace the wear ring if it is 0.06 in (1.5 mm) or flush with the outer tube (4). Remove the fork leg when replacing the wear ring. Install the wear ring with its end gap (5) facing rearward.




(3) wear rings (4) outer tube




(3) wear rings (5) end gaps

4. Make a quick check of fork operation by locking the front brake and pushing down on the handlebar several times.

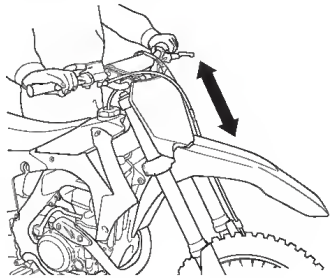


**Table 3-2**
**POST Error Messages** *continued*

| Error Code | Audible Beeps | Probable Source of Problem | Recommended Action |
|---|---|---|---|
| 1155-Serial Port Address Conflict Detected | 2 short | A hardware conflict is preventing the normal operation of a serial port. | Run the server setup utility to reassign the serial port address and manually resolve the conflict. |
| 1610-Temperature violation detected. Waiting for system to cool. | 2 short | Ambient system temperature too hot | Check fan in system environment. |
| 1611-CPU Fan failure detected | None | Required fan is not spinning. | Check fans.<br>Reseat fan cable.<br>Replace fan. |
| 1611-CPU Fan not present | None | Required fan is not installed. | Check fans.<br>Reseat fan cable.<br>Install missing fan. |
| 1611-CPU fan (Fan X) failure detected | 2 short | CPU fan has failed. | Replace the failed fan. |
| 1611-I/O fan (Fan X) failure detected | 2 short | I/O fan has failed. | Replace the failed fan. |
| 1611-Fan failure detected | 2 short | Required fan not installed or spinning. | Check fans in system environment. |
| 1611-System Fan failure detected | None | Required fan is not spinning. | Check fans.<br>Reseat fan cable.<br>Replace fan. |
| 1611-System Fan not present | None | Required fan not installed. | Check fans.<br>Reseat fan cable.<br>Install missing fan. |
| 1612-Primary power supply failure | 2 short | Primary power supply has failed. | Replace power supply as soon as possible. |
| 1613-Low System Battery | None | Real-time clock system battery is running low on power. | Replace battery (or add external battery) as soon as possible. |
| 1615-Power Supply Failure, Power Supply Unplugged, or Power Supply Fan Failure in Bay X | None | A power supply has failed. | Reseat power supply firmly.<br>-Or-<br>Replace power supply as soon as possible. |

*continued*

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- **Diskette Boot Control** enables you to have the system boot from the removable media device.
- **Embedded LPT Port** allows the user to enable the embedded LPT Port at the specified resource settings or disable the option.

### IPL Boot Device

The **IPL Boot Device** menu option configures the Initial Program Loader (IPL) device. It controls the search order the server goes through to look for a bootable device.

### PCI Devices

The **PCI Devices** menu option displays and modifies the configuration of the PCI devices installed in the server. Information for eacb slot is displayed and the IRQs can be changed. Multiple PCI devices can share an interrupt.

### Boot Controller Order

The **Boot Controller Order** menu option is used to view and assign the current controller order.

### Date and Time

The **Date and Time** menu option is used to set the system date and time.

### Automatic Server Recovery-2

The **Automatic Server Recovery-2** menu configures the Automatic Server Recovery-2 (ASR-2) features and may include the following options:

- **ASR-2 Status** enables or disables ASR-2. When set to **Disabled**, no ASR-2 features function.
- **ASR-2 Timeout** sets a timeout limit for resetting a server that is not responding. When tbe server bas not responded in the selected amount of time, it automatically resets.
- **Thermal Sbutdown** enables or disables the ability of the server to automatically power down when it reaches a dangerous temperature.

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When Windows NTS/E finishes booting up on both servers, follow these steps to use Microsoft Cluster Administrator to verify creation of the cluster:

1. From the Windows NTS/E desktop on either cluster server, select Start, Programs, Administrative Tools (Common), Cluster Administrator.
2. When you are prompted for Cluster or Server Name, enter the name or IP address of one of the cluster nodes.

   If the cluster has been created correctly, the computer names of both cluster nodes appear on the left side of the Cluster Administrator window (see Figure 3-2).

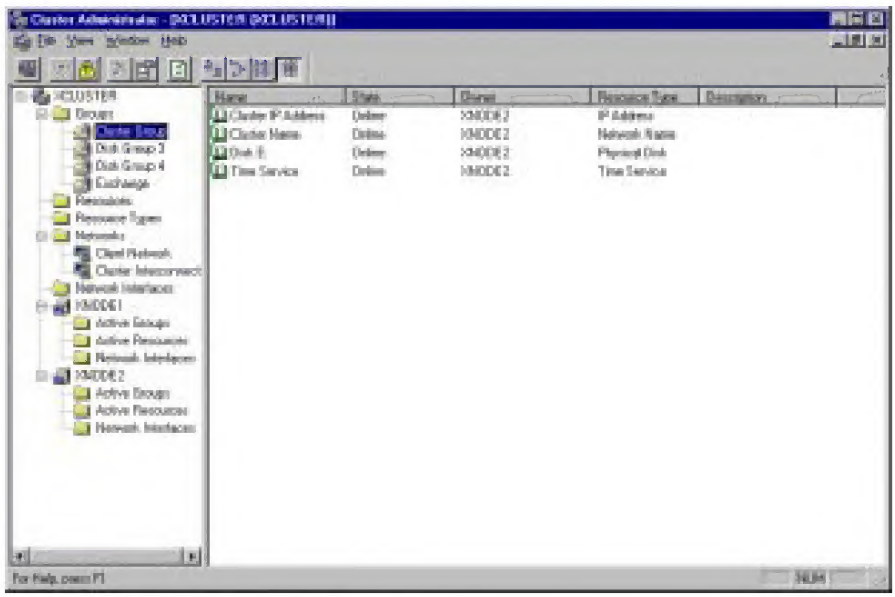

Figure 3-2. Microsoft Cluster Administrator

3. If the cluster is not working correctly, see the installation troubleshooting tips in Chapter 6.

## Verifying Node Failover

**NOTE:** Do not run any client activity while testing failover events.

Follow these steps to verify failover of a cluster node:

1. From the Windows NTS/E desktop on both servers, select Start, Programs, Administrative Tools (Common), Cluster Administrator.
2. When you are prompted for Cluster or Server Name, enter the name or IP address of one of the cluster nodes

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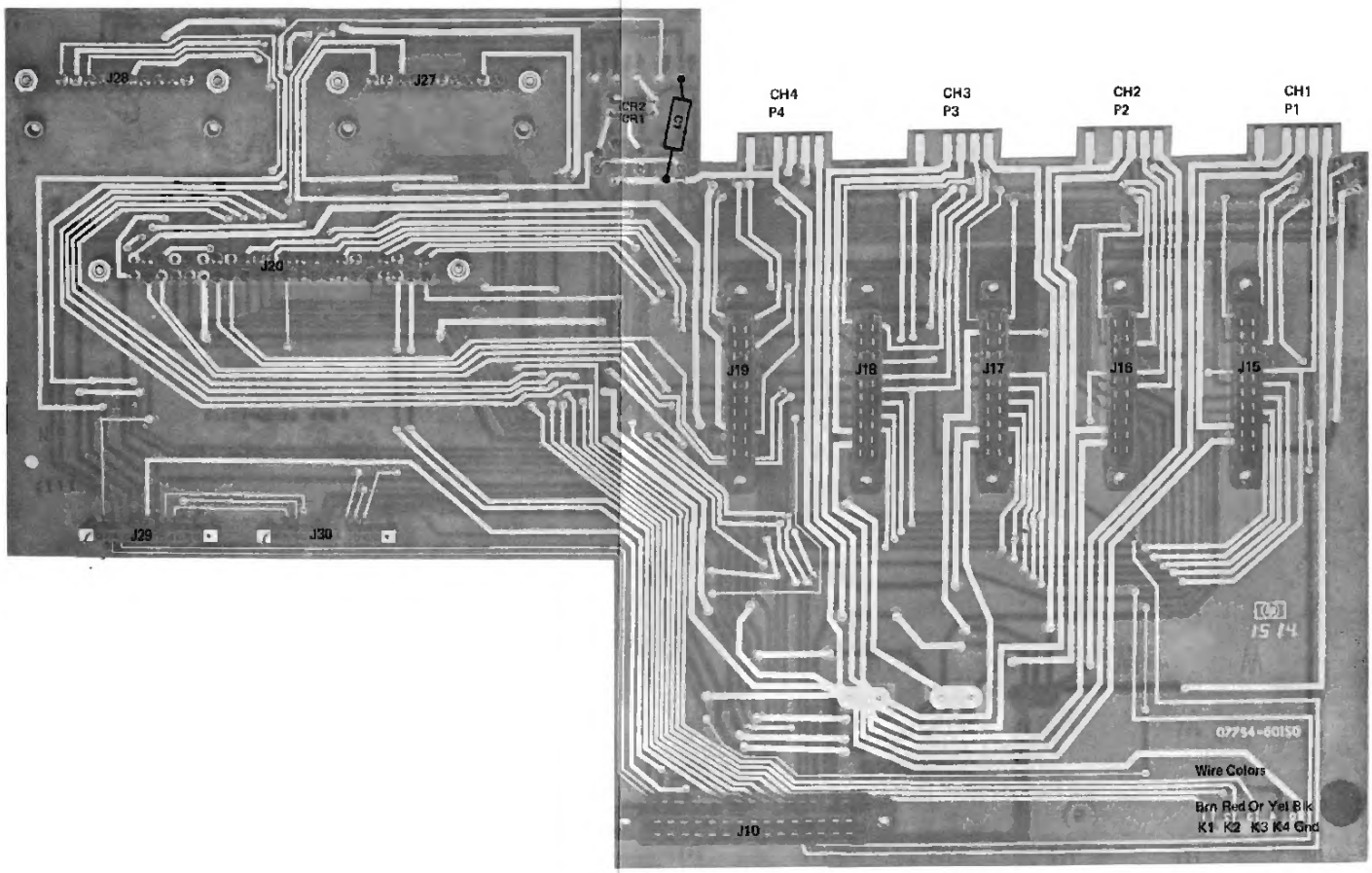


*Figure 6-11. Transfer Board A3A1 (07754-60150) Component Location Diagram*



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Figure 2-31 shows the redundant Ethernet cluster interconnect components used in a two-node PDC/O2000 cluster.

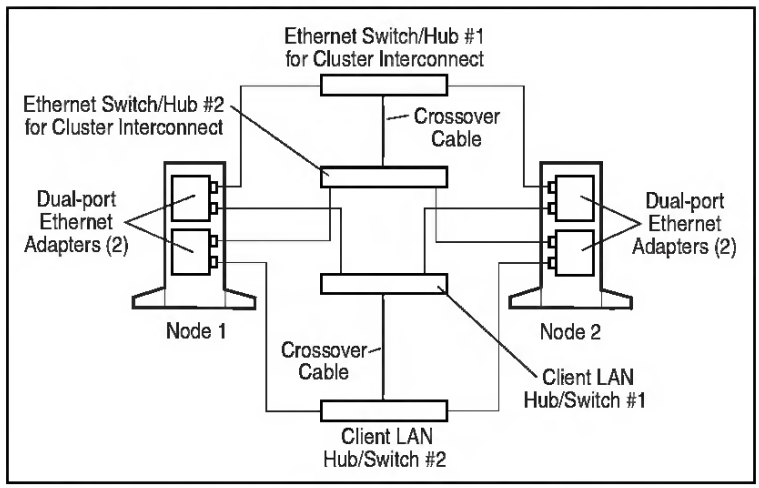


**Figure 2-31. Redundant Ethernet cluster interconnect for a two-node PDC/O2000 cluster**

These components include two dual-port Ethernet adapters in each cluster node. The top port on each adapter connects by Ethernet cable to one of two Ethernet switches or hubs provided for the cluster interconnect. The bottom port on each adapter connects by Ethernet cable to the client LAN for the cluster. A crossover cable is installed between the two Ethernet switches or hubs used in the Ethernet cluster interconnect.

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